

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007746.D
 Acq On : 20 Dec 2018 14:37
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:50:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	40561	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	37376	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
50) Toluene-d8	10.32	98	143433	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	
62) 4-Bromofluorobenzene	12.62	95	53334	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	31353	50.218	ug/l	98
3) Chloromethane	2.21	50	19082	49.773	ug/l	99
4) Vinyl Chloride	2.37	62	25392	52.030	ug/l	95
5) Bromomethane	2.78	94	16796	49.413	ug/l	89
6) Chloroethane	2.92	64	13413	51.373	ug/l	98
7) Trichlorofluoromethane	3.26	101	24585	48.388	ug/l	97
8) Diethyl Ether	3.68	74	14941	48.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37106	49.588	ug/l	96
10) Methyl Iodide	4.26	142	57893	48.650	ug/l	99
11) Tert butyl alcohol	5.17	59	10544	203.059	ug/l	98
12) 1,1-Dichloroethene	4.03	96	35426	51.127	ug/l	97
13) Acrolein	3.89	56	10872	261.864	ug/l	98
14) Allyl chloride	4.66	41	45037	49.565	ug/l	98
15) Acrylonitrile	5.37	53	30341	228.558	ug/l	99
16) Acetone	4.12	43	32569	225.948	ug/l	90
17) Carbon Disulfide	4.37	76	106096	49.480	ug/l	98
18) Methyl Acetate	4.67	43	15982	46.621	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	46074	46.317	ug/l	96
20) Methylene Chloride	4.90	84	36762	51.142	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	37255	48.887	ug/l	92
22) Diisopropyl ether	6.31	45	82586	48.540	ug/l	96
23) Vinyl Acetate	6.25	43	236187	233.650	ug/l	98
24) 1,1-Dichloroethane	6.21	63	61313	48.985	ug/l	99
25) 2-Butanone	7.17	43	36486	216.105	ug/l	98
26) 2,2-Dichloropropane	7.16	77	45704	49.900	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	39465	48.608	ug/l	99
28) Bromochloromethane	7.51	49	21517	50.420	ug/l #	99
29) Tetrahydrofuran	7.53	42	22382	222.249	ug/l	100
30) Chloroform	7.67	83	68277	48.202	ug/l	99
31) Cyclohexane	7.95	56	54192	47.293	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	64191	49.758	ug/l	100
36) 1,1-Dichloropropene	8.08	75	54730	51.378	ug/l	99
37) Ethyl Acetate	7.25	43	16779	45.641	ug/l	98
38) Carbon Tetrachloride	8.06	117	61913	49.352	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66682	50.376	ug/l	96
40) Benzene	8.32	78	142685	50.196	ug/l	100
41) Methacrylonitrile	7.48	41	10197	48.854	ug/l	92
42) 1,2-Dichloroethane	8.40	62	46211	48.510	ug/l	99
43) Isopropyl Acetate	8.43	43	32992	44.794	ug/l	99
44) Trichloroethene	9.09	130	43254	50.317	ug/l	98
45) 1,2-Dichloropropane	9.37	63	31563	50.041	ug/l	99
46) Dibromomethane	9.46	93	18614	47.941	ug/l	97
47) Bromodichloromethane	9.65	83	49443	48.439	ug/l	98
48) Methyl methacrylate	9.44	41	16336	44.435	ug/l	97
49) 1,4-Dioxane	9.45	88	6211	1008.970	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	77502	222.655	ug/l	99
52) Toluene	10.39	92	95333	49.986	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	48208	47.483	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	54230	48.357	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25480	47.603	ug/l	96
56) Ethyl methacrylate	10.65	69	29388	46.470	ug/l	97
57) 1,3-Dichloropropane	10.93	76	41707	46.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	71058	246.095	ug/l	100
59) 2-Hexanone	10.97	43	55832	228.077	ug/l	100
60) Dibromochloromethane	11.13	129	32821	46.310	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25072	46.255	ug/l	99
64) Tetrachloroethene	10.87	164	34738	50.228	ug/l	93
65) Chlorobenzene	11.66	112	105530	49.922	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37796	50.039	ug/l	99
67) Ethyl Benzene	11.73	91	187129	51.587	ug/l	100
68) m/p-Xylenes	11.84	106	145052	103.083	ug/l	99
69) o-Xylene	12.17	106	66126	50.133	ug/l	98
70) Styrene	12.18	104	110224	50.837	ug/l	99
71) Bromoform	12.35	173	17990	45.880	ug/l #	96
73) Isopropylbenzene	12.47	105	194612	51.992	ug/l	99
74) N-amyl acetate	12.27	43	30640	47.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	26459	47.146	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	37681	98.452	ug/l #	100
77) Bromobenzene	12.75	156	42117	49.098	ug/l	99
78) n-propylbenzene	12.81	91	225233	51.692	ug/l	100
79) 2-Chlorotoluene	12.90	91	128598	50.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	166862	51.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8955	49.113	ug/l	98
82) 4-Chlorotoluene	12.99	91	136139	50.372	ug/l	98
83) tert-Butylbenzene	13.21	119	147988	52.239	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	168038	51.578	ug/l	99
85) sec-Butylbenzene	13.39	105	204967	52.498	ug/l	100
86) p-Isopropyltoluene	13.51	119	183704	51.745	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	85331	50.101	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	85178	49.996	ug/l	99
89) n-Butylbenzene	13.83	91	171790	52.776	ug/l	100
90) Hexachloroethane	14.10	117	31747	50.936	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	75881	49.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5468	47.443	ug/l	96

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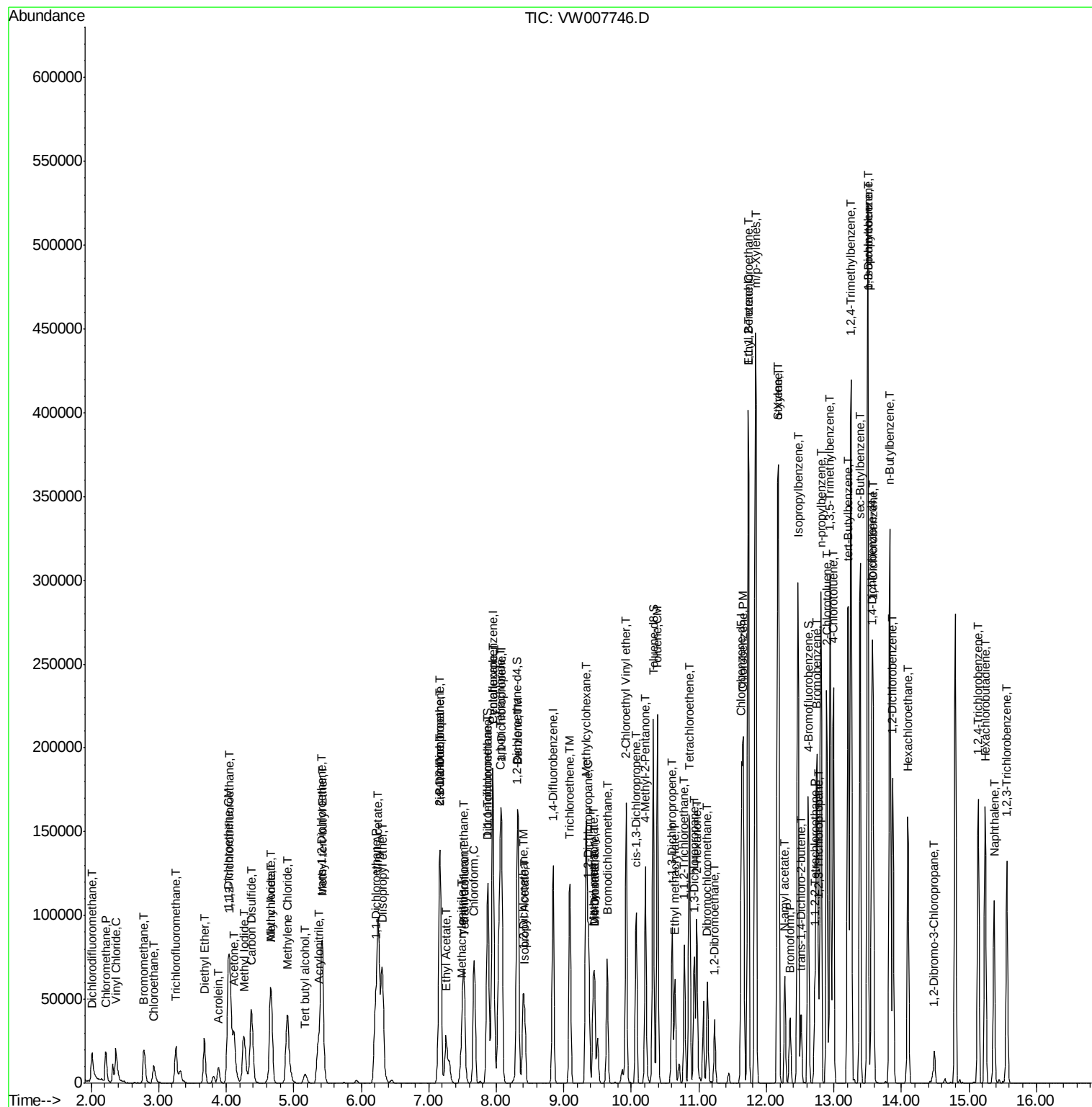
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	51552	48.701	ug/l	99
94) Hexachlorobutadiene	15.24	225	29581	52.291	ug/l	97
95) Naphthalene	15.38	128	96194	49.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	44834	49.480	ug/l	99

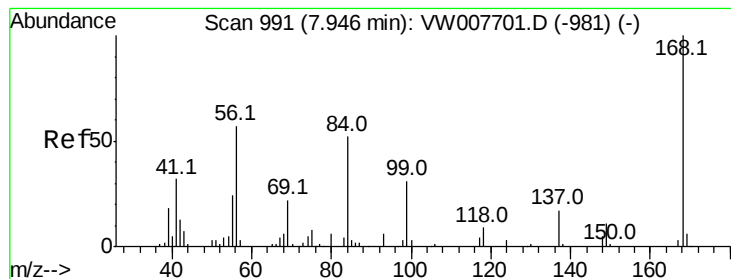
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

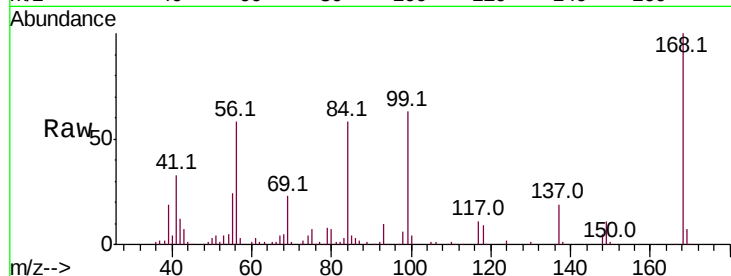
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 70230

Ion Ratio Lower Upper

168 100

99 62.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

20000

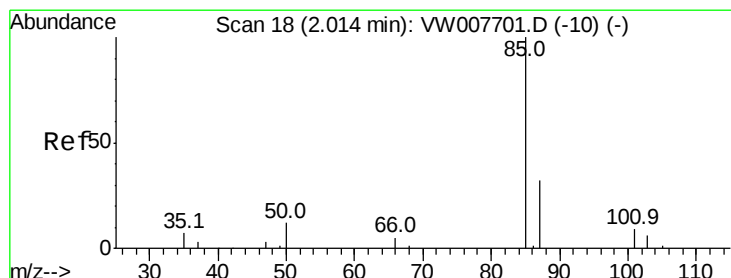
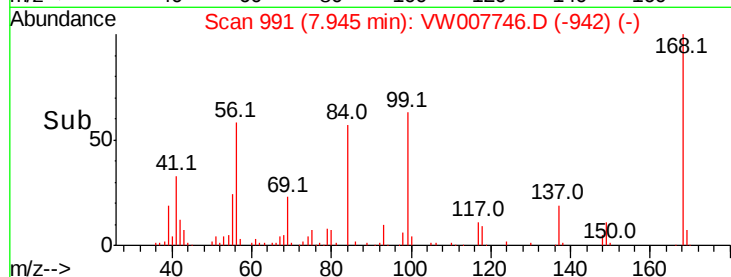
10000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 50.218 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007746.D

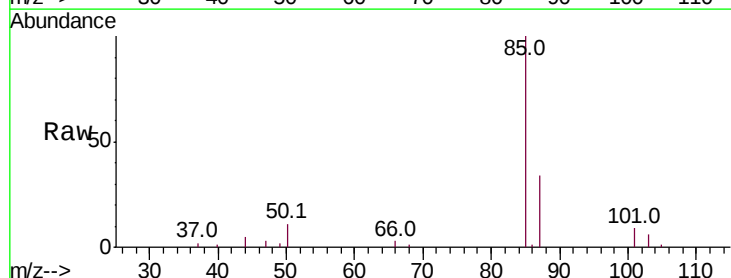
Acq: 20 Dec 2018 14:37

Tgt Ion: 85 Resp: 31353

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

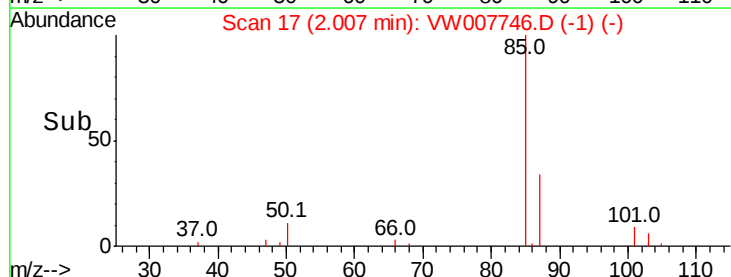
Time-->

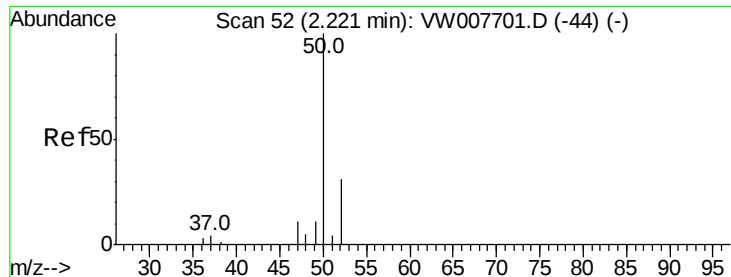
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 49.773 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

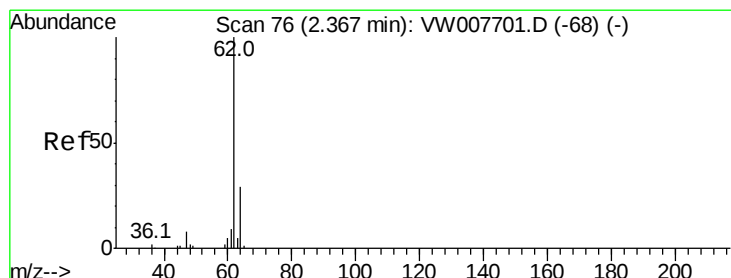
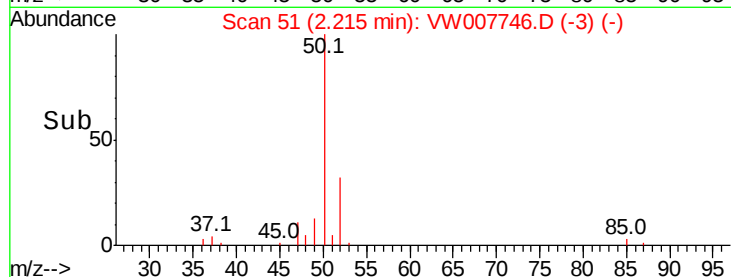
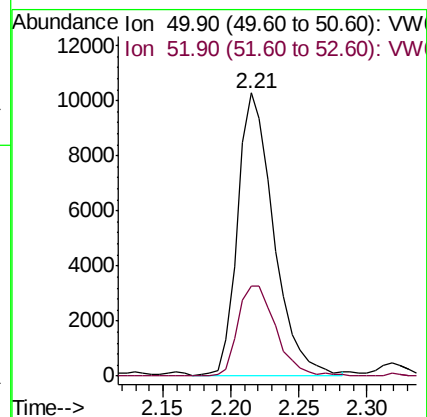
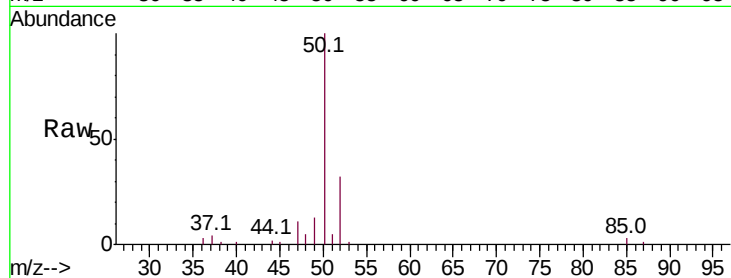
ClientSampleId :

Tot Ion: 50 Resp: 19082

Ion Ratio Lower Upper

50 100

52 31.9 25.1 37.7



#4

Vinyl Chloride

Concen: 52.030 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007746.D

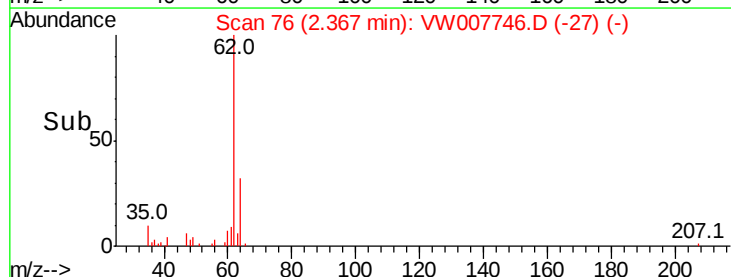
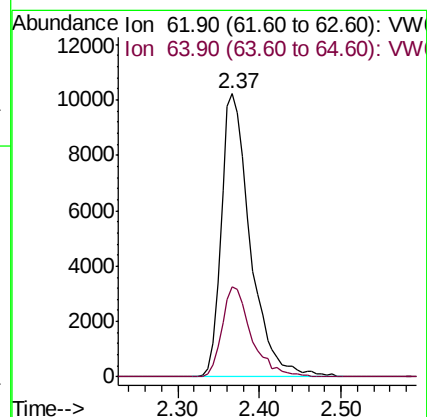
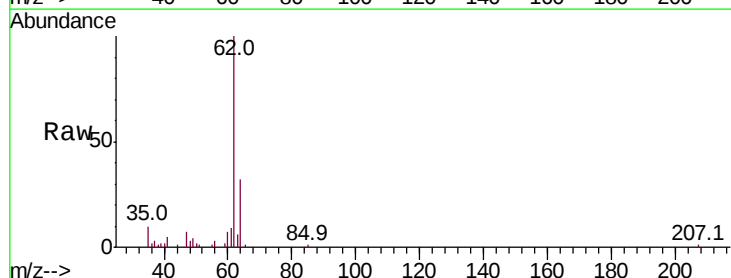
Acq: 20 Dec 2018 14:37

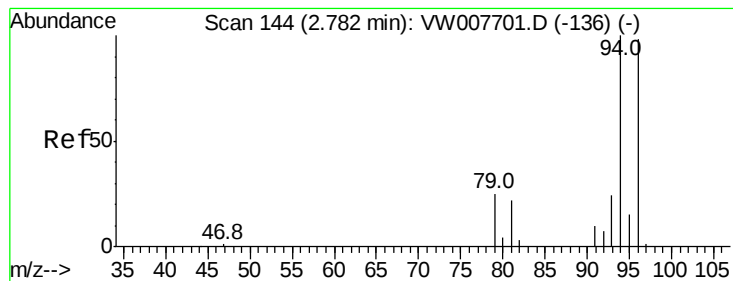
Tgt Ion: 62 Resp: 25392

Ion Ratio Lower Upper

62 100

64 32.0 23.4 35.0





#5

Bromomethane

Concen: 49.413 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

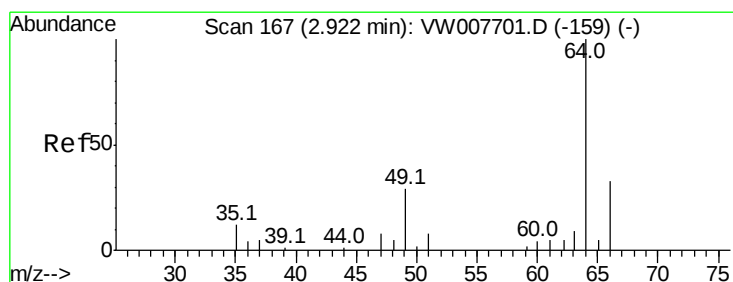
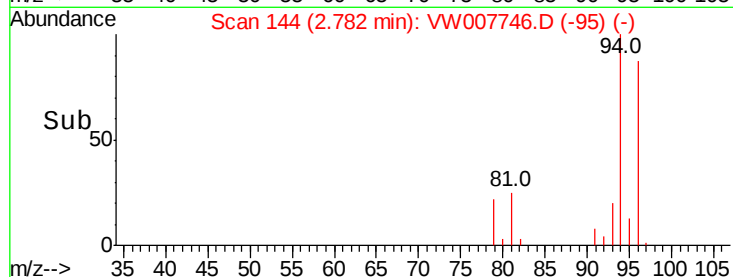
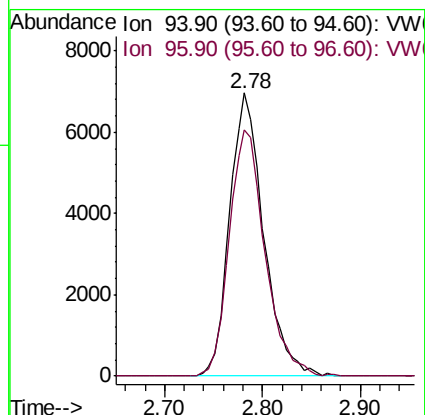
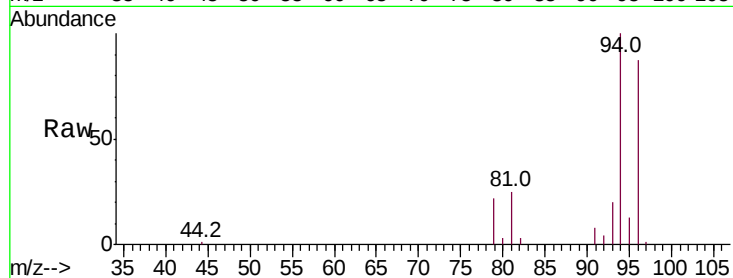
ClientSampleId :

Tot Ion: 94 Resp: 16796

Ion Ratio Lower Upper

94 100

96 87.1 78.2 117.2



#6

Chloroethane

Concen: 51.373 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007746.D

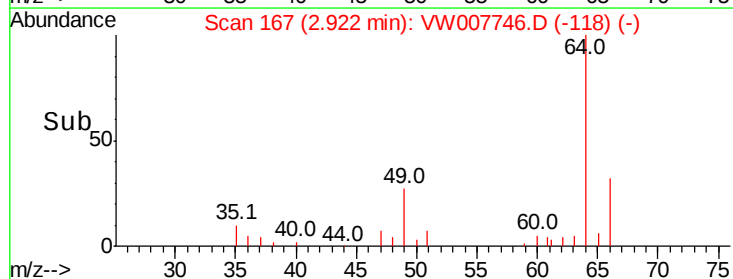
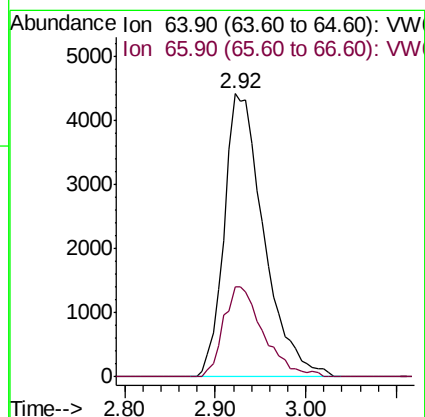
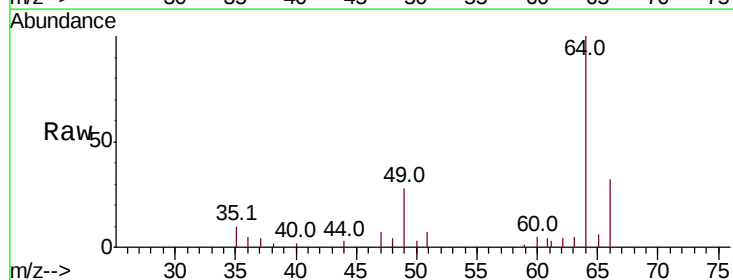
Acq: 20 Dec 2018 14:37

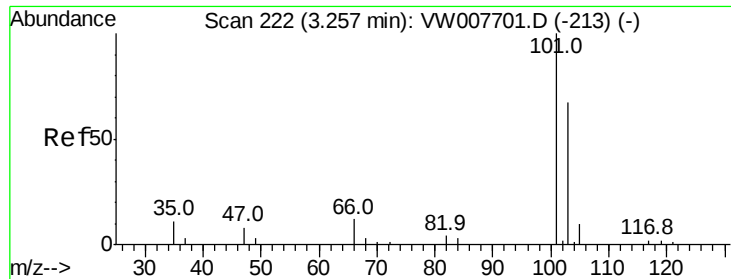
Tgt Ion: 64 Resp: 13413

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.4



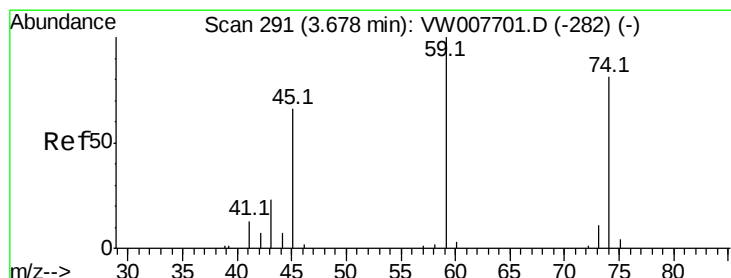
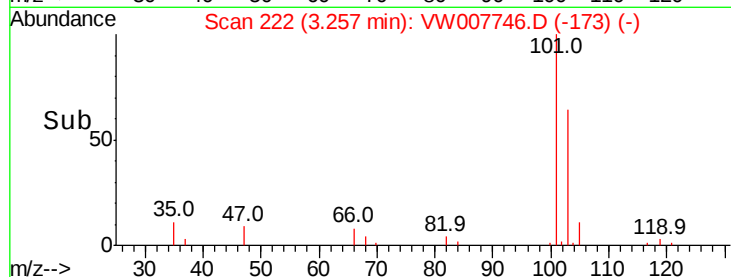
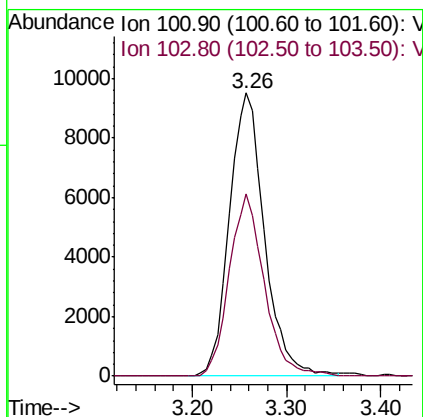
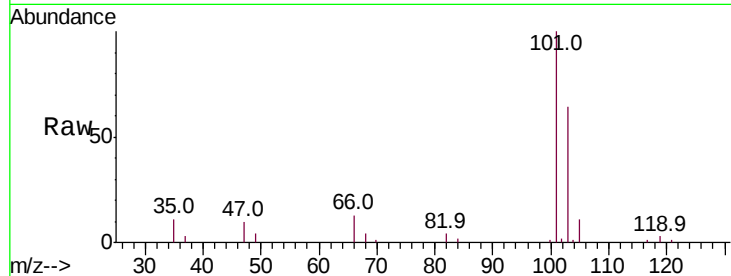


#7

Trichlorofluoromethane
 Concen: 48.388 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Instrument :
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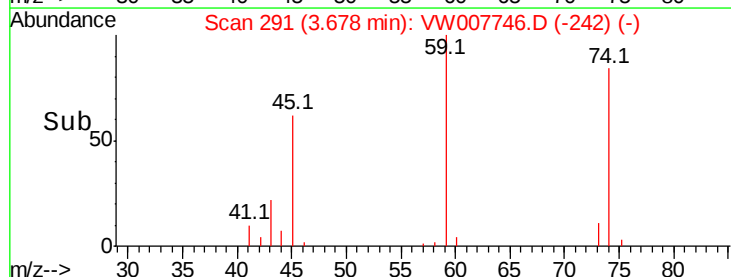
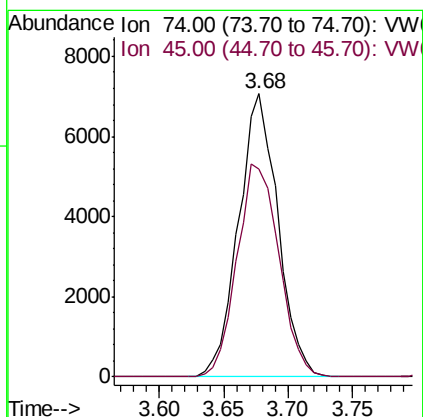
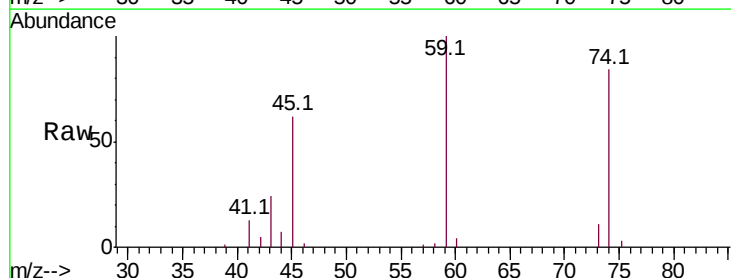
Tot Ion:101 Resp: 24585
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.4 80.2

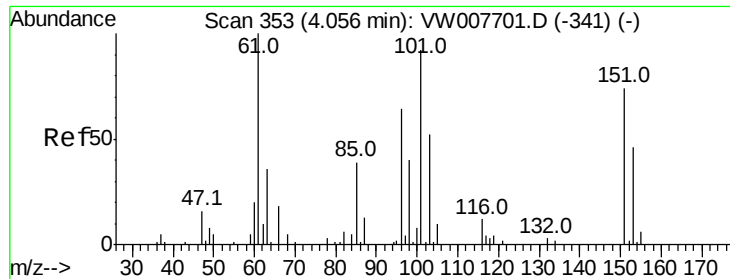


#8

Diethyl Ether
 Concen: 48.010 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion: 74 Resp: 14941
 Ion Ratio Lower Upper
 74 100
 45 80.3 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.588 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampled :

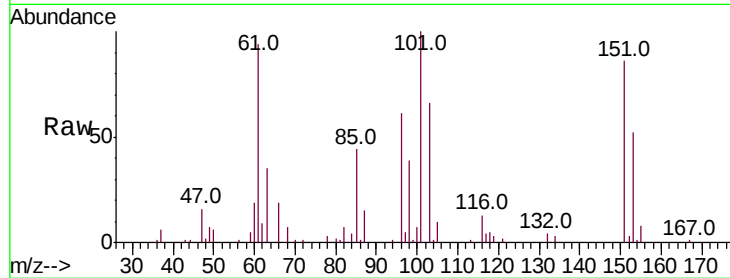
Tot Ion:101 Resp: 37106

Ion Ratio Lower Upper

101 100

85 44.0 34.3 51.5

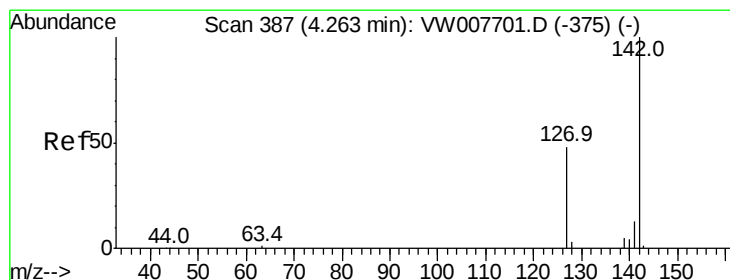
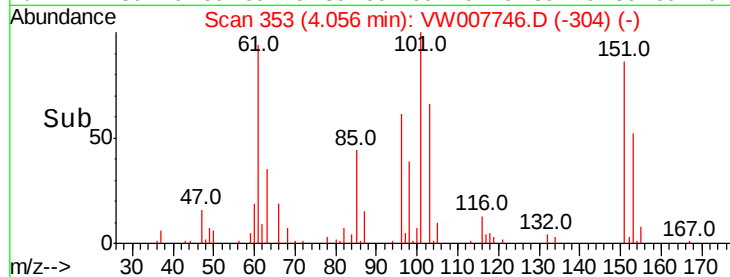
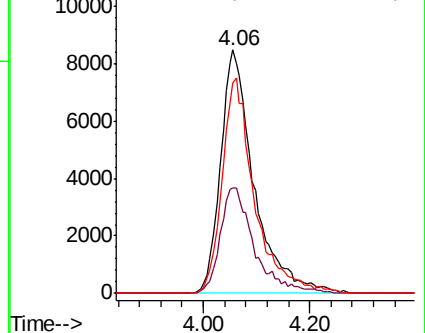
151 85.6 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.650 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

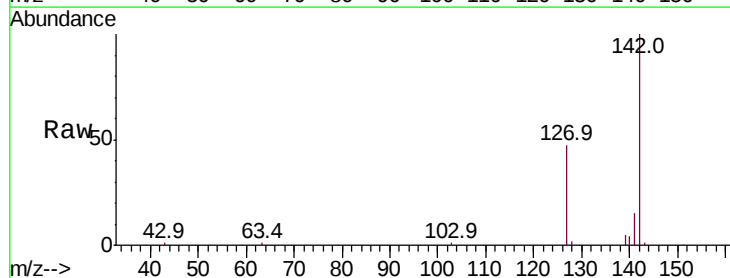
Tgt Ion:142 Resp: 57893

Ion Ratio Lower Upper

142 100

127 47.7 37.7 56.5

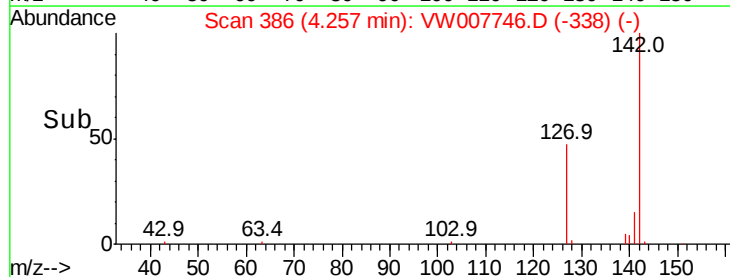
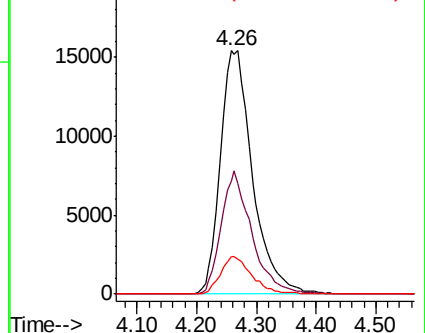
141 14.9 11.5 17.3

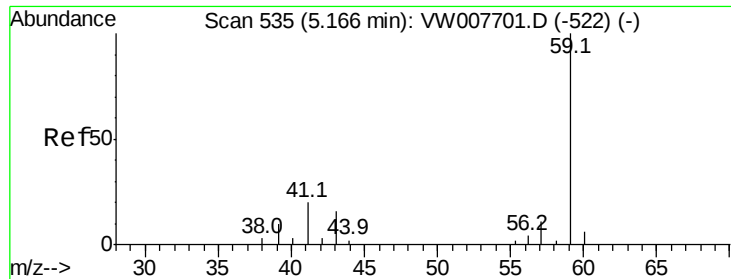


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

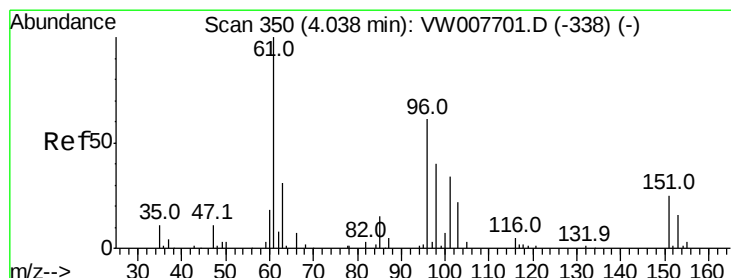
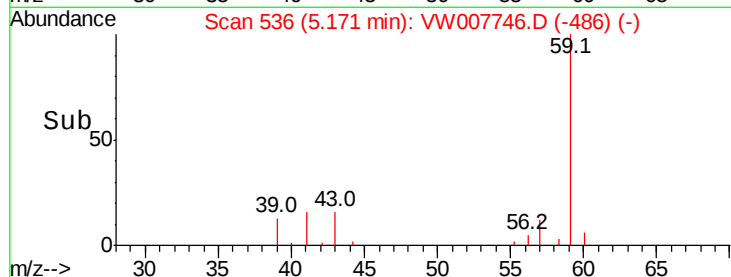
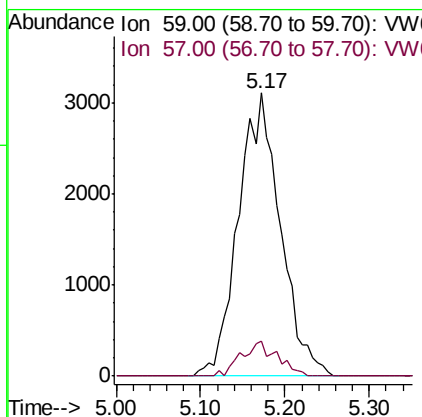
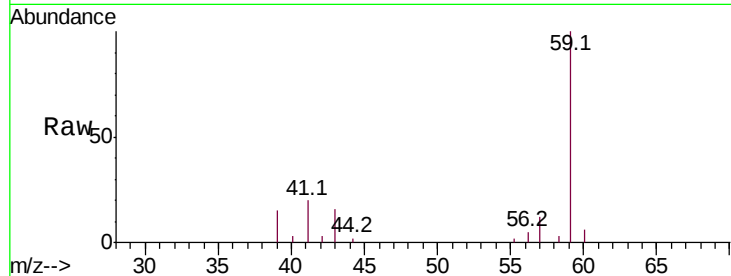




#11
Tert butyl alcohol
Concen: 203.059 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

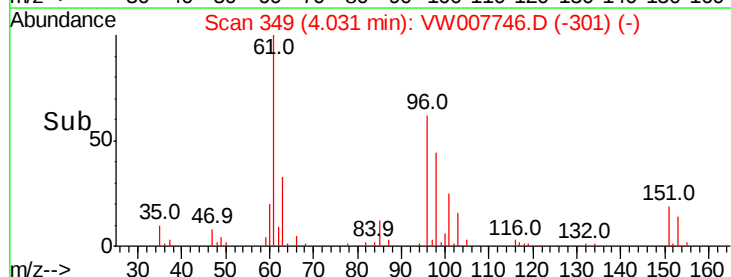
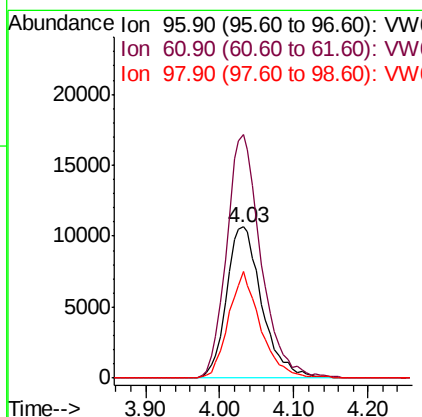
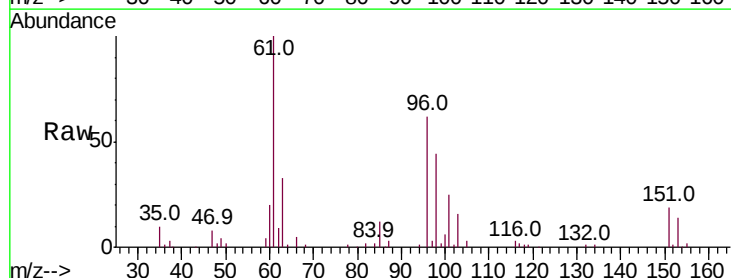
Instrument :
MSVOA_W
ClientSampleId :

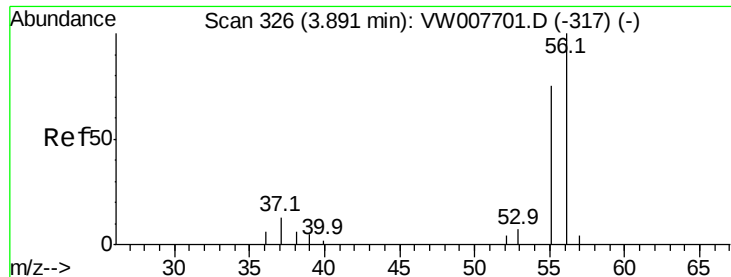
Tot Ion: 59 Resp: 10544
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 51.127 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 96 Resp: 35426
Ion Ratio Lower Upper
96 100
61 160.8 130.6 195.8
98 70.5 52.3 78.5





#13

Acrolein

Concen: 261.864 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

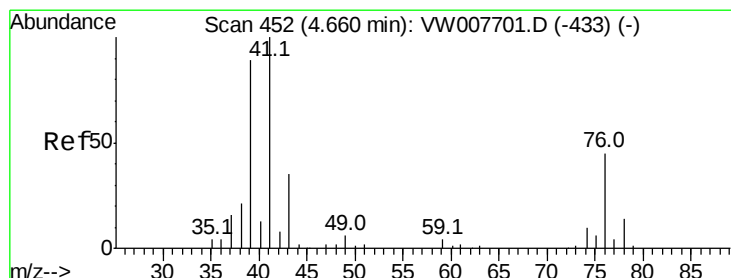
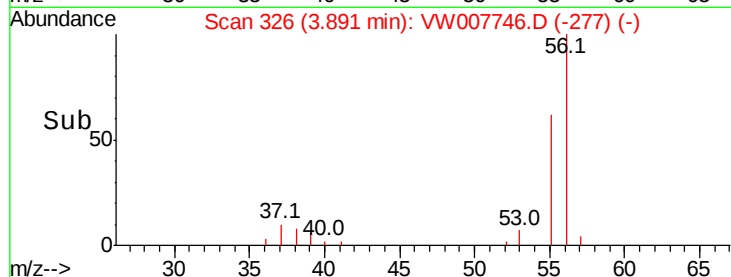
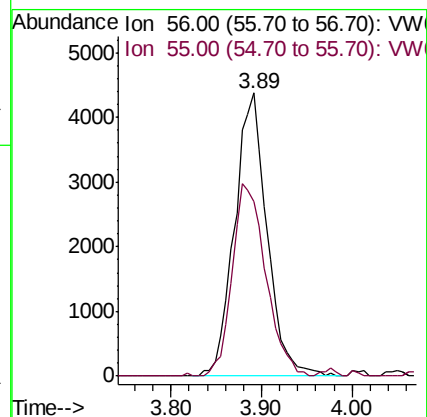
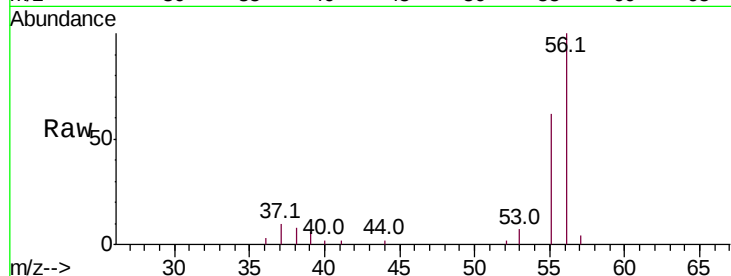
ClientSampleId :

Tot Ion: 56 Resp: 10872

Ion Ratio Lower Upper

56 100

55 70.1 57.7 86.5



#14

Allyl chloride

Concen: 49.565 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

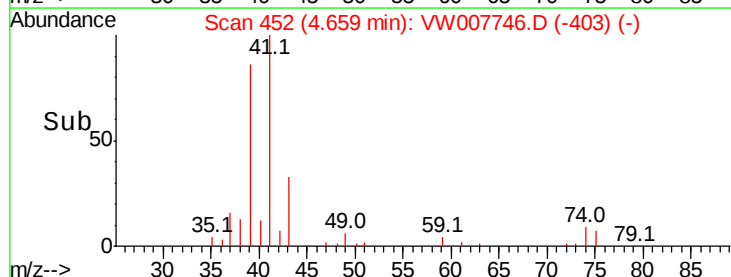
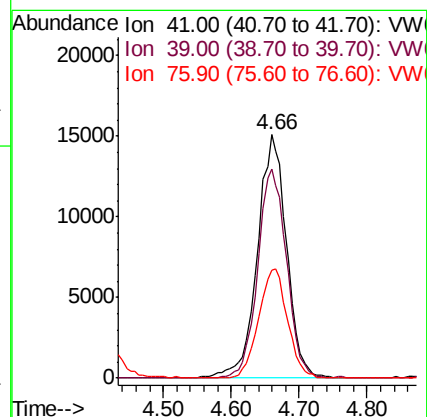
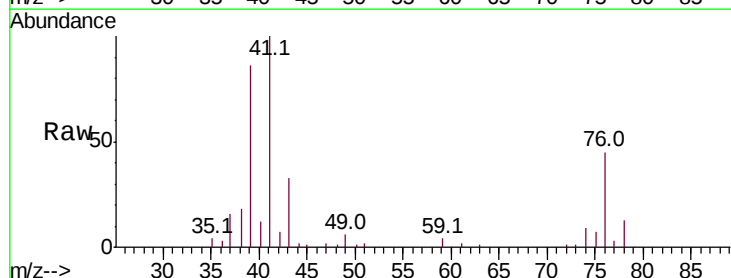
Tgt Ion: 41 Resp: 45037

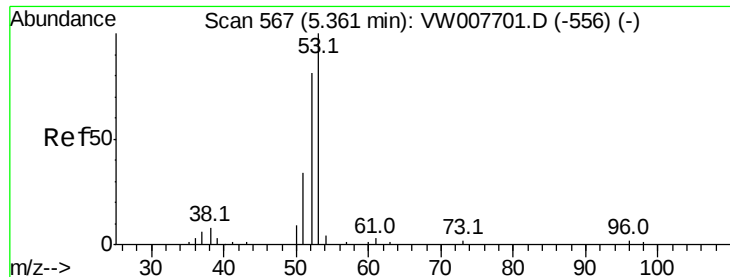
Ion Ratio Lower Upper

41 100

39 85.3 69.5 104.3

76 44.6 34.8 52.2





#15

Acrylonitrile

Concen: 228.558 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampled :

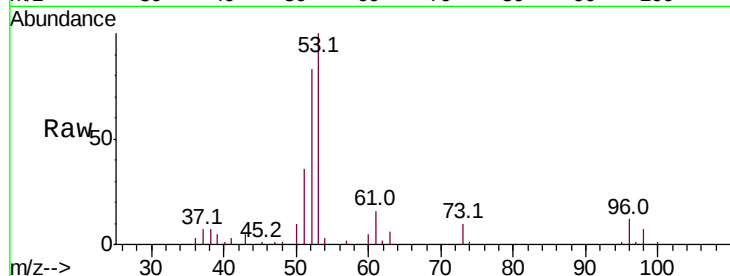
Tot Ion: 53 Resp: 30341

Ion Ratio Lower Upper

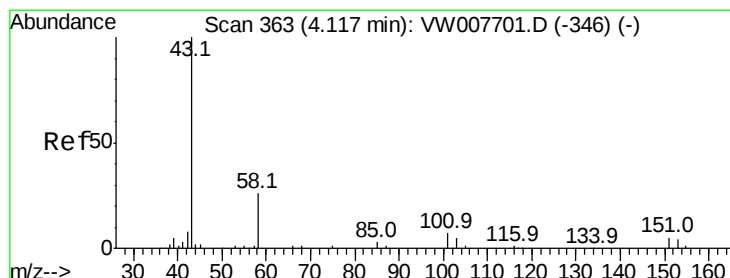
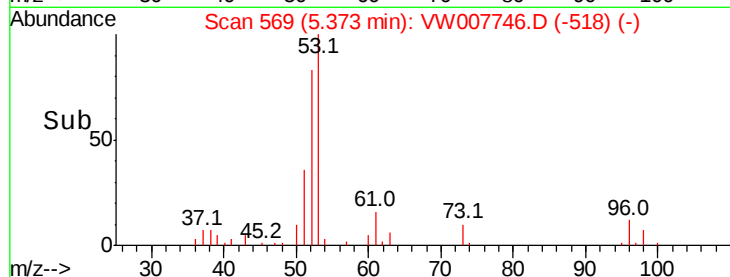
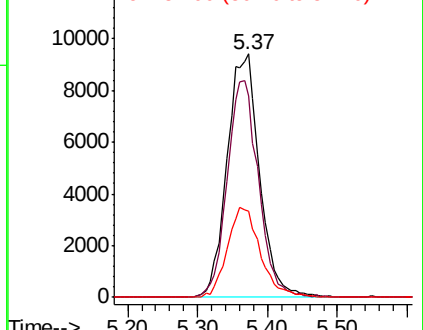
53 100

52 85.6 67.0 100.4

51 37.6 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 225.948 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007746.D

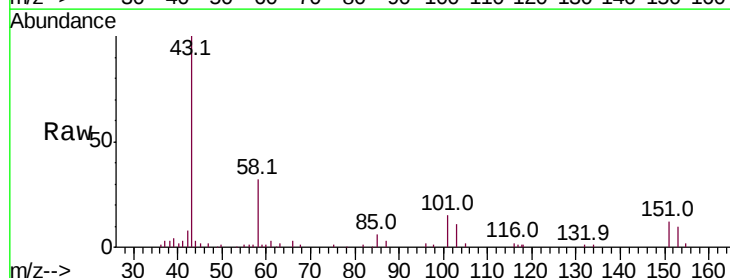
Acq: 20 Dec 2018 14:37

Tgt Ion: 43 Resp: 32569

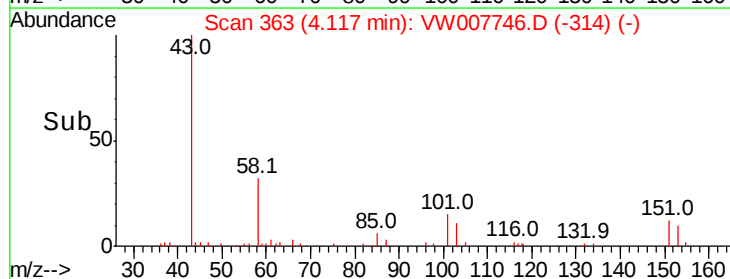
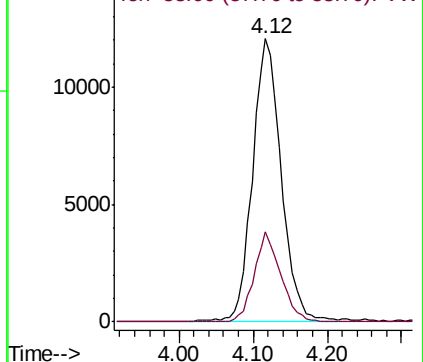
Ion Ratio Lower Upper

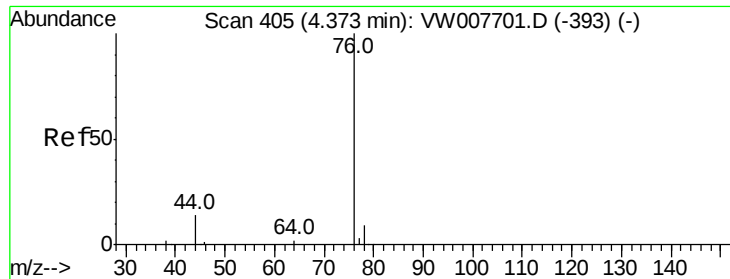
43 100

58 31.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

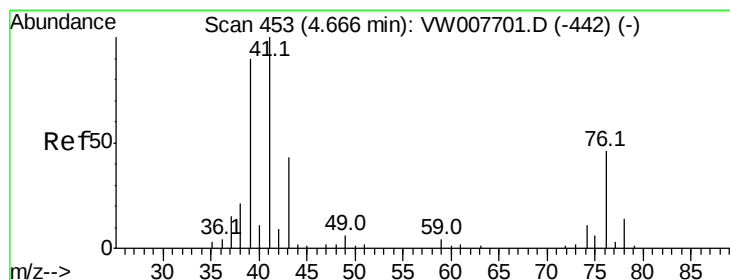
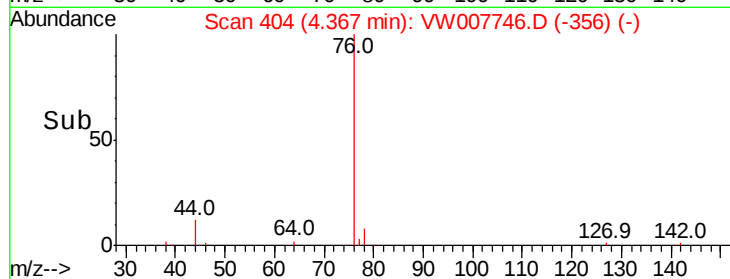
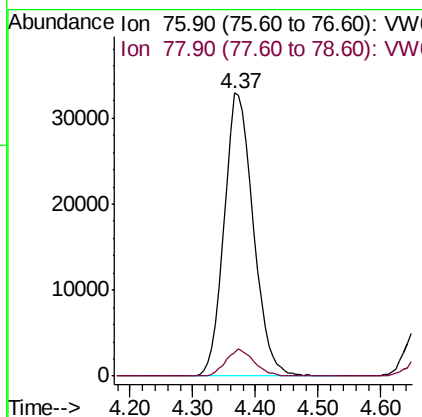
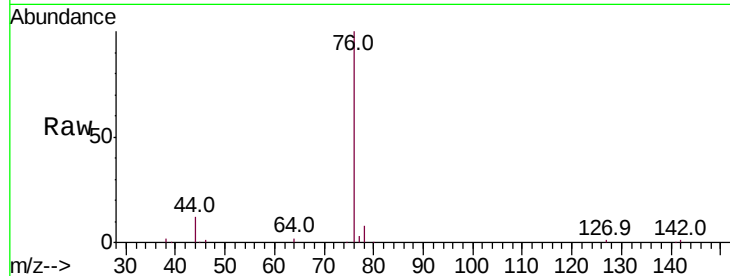




#17
Carbon Disulfide
Concen: 49.480 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

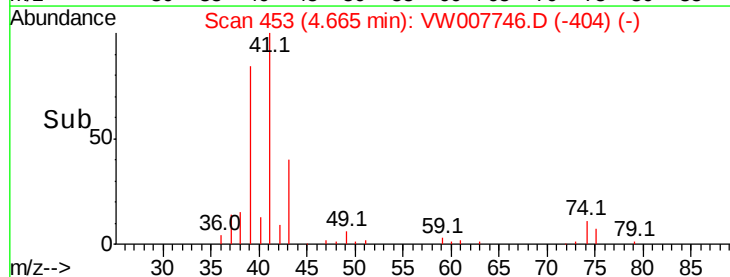
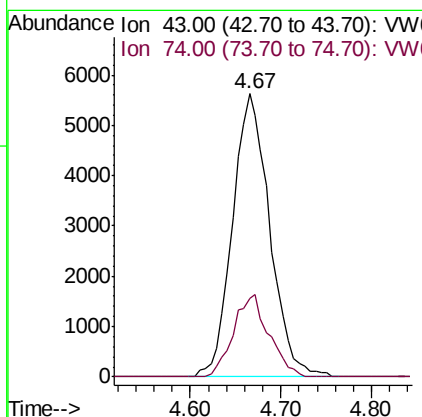
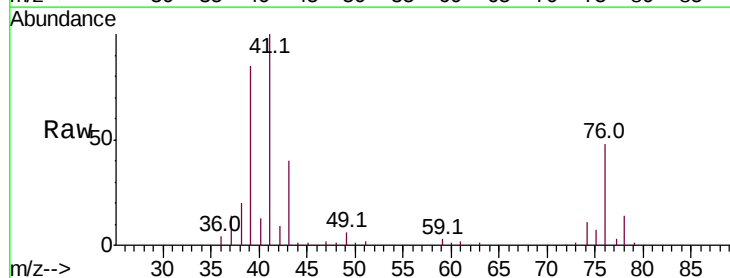
Instrument :
MSVOA_W
ClientSampleId :

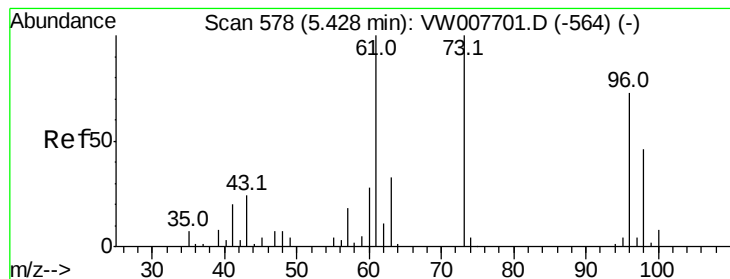
Tot Ion: 76 Resp: 106096
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 46.621 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 43 Resp: 15982
Ion Ratio Lower Upper
43 100
74 27.8 22.7 34.1



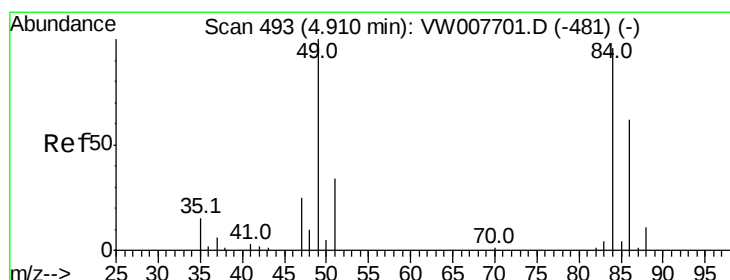
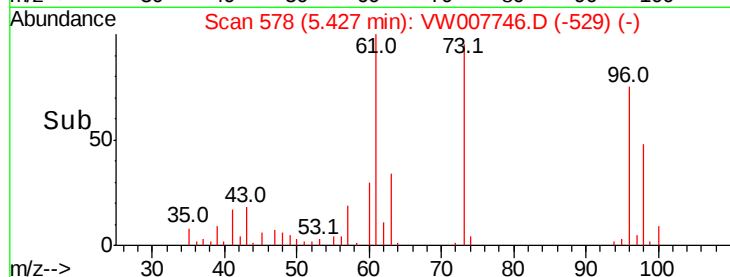
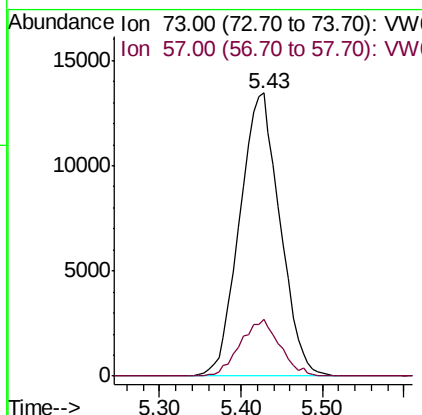
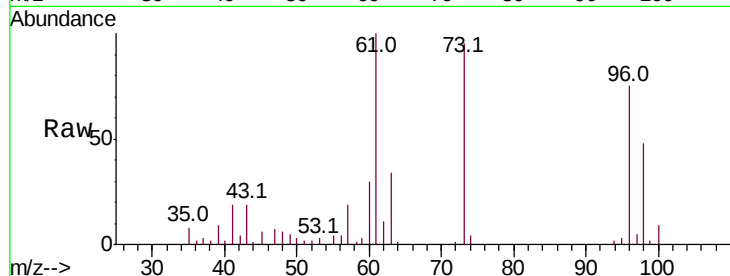


#19

Methvl tert-butvl Ether
 Concen: 46.317 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Instrument :
 MSVOA_W
 ClientSampleId :

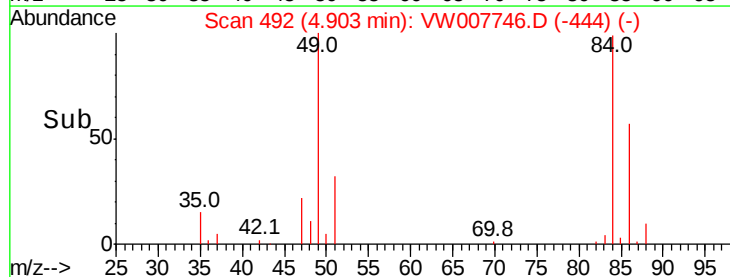
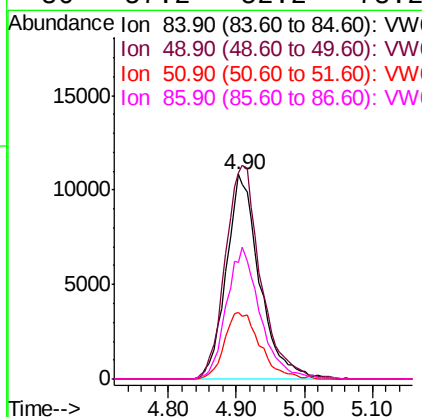
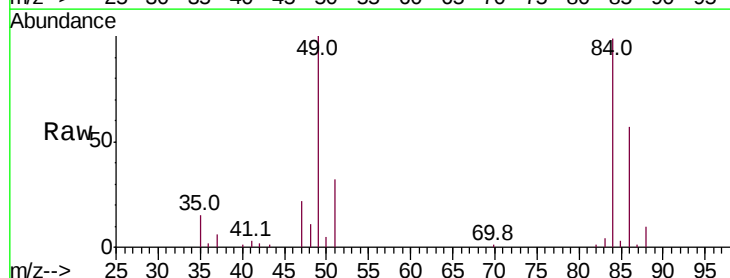
Tot Ion: 73 Resp: 46074
 Ion Ratio Lower Upper
 73 100
 57 20.3 14.7 22.1

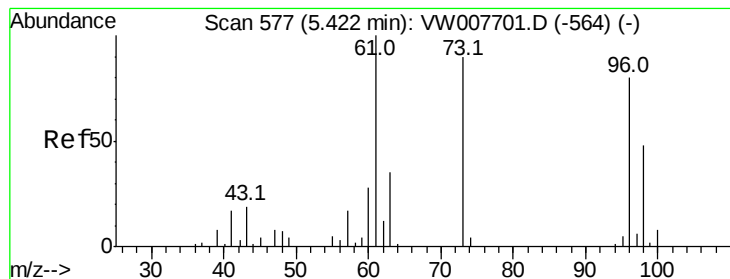


#20

Methylene Chloride
 Concen: 51.142 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion: 84 Resp: 36762
 Ion Ratio Lower Upper
 84 100
 49 100.8 83.7 125.5
 51 32.5 28.2 42.2
 86 57.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.887 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

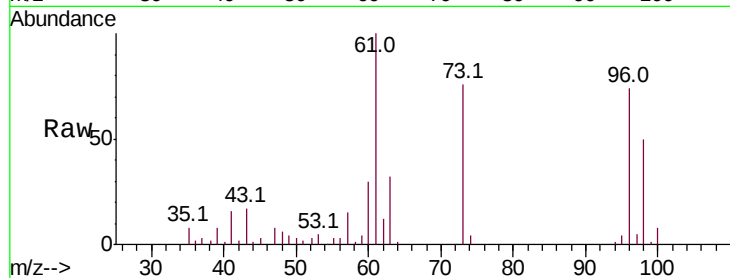
Tot Ion: 96 Resp: 37255

Ion Ratio Lower Upper

96 100

61 134.8 100.1 150.1

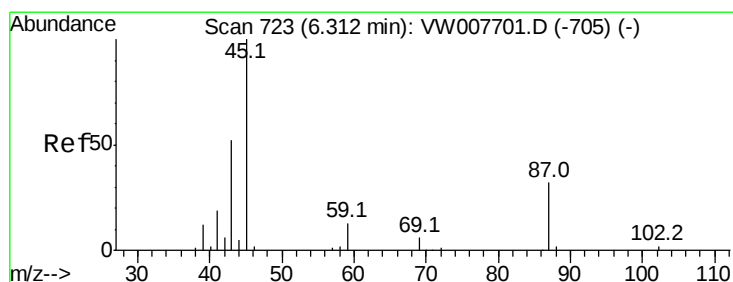
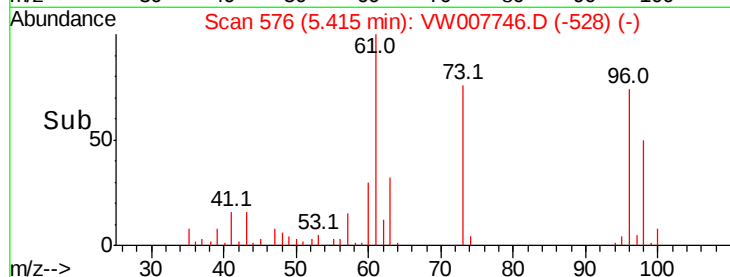
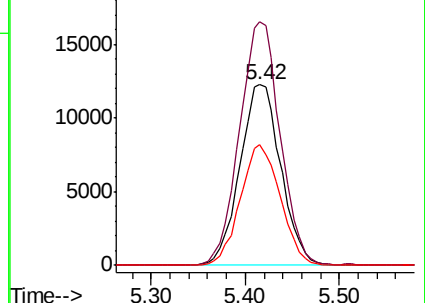
98 66.8 48.5 72.7



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.540 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Tgt Ion: 45 Resp: 82586

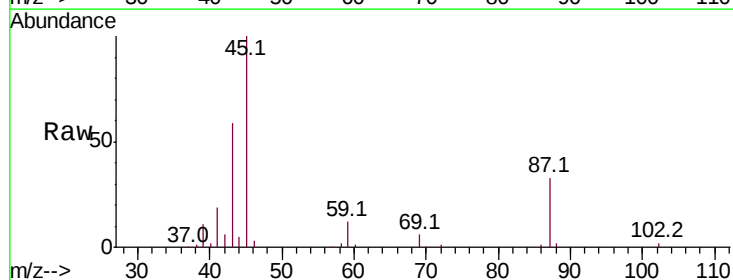
Ion Ratio Lower Upper

45 100

43 58.2 43.7 65.5

87 32.8 26.6 40.0

59 11.1 10.2 15.2

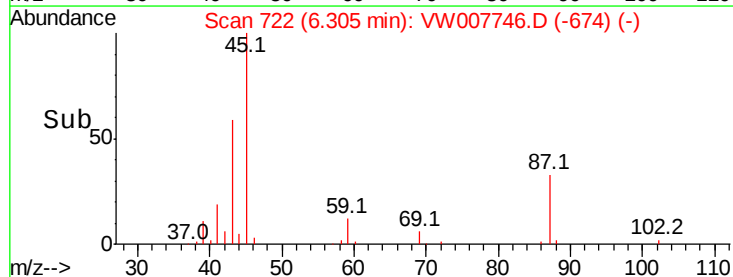
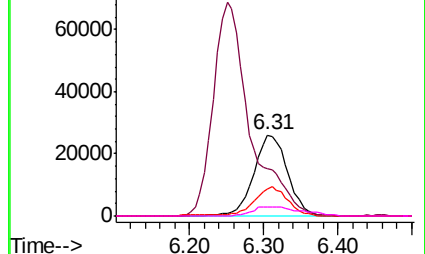


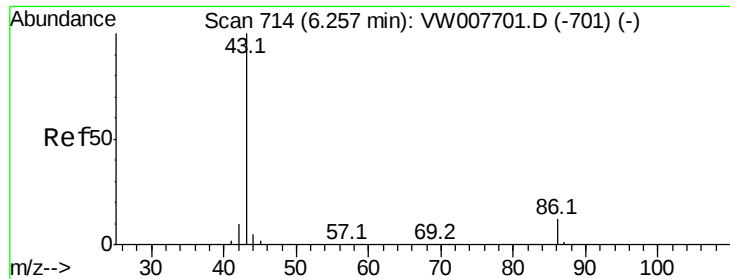
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 233.650 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

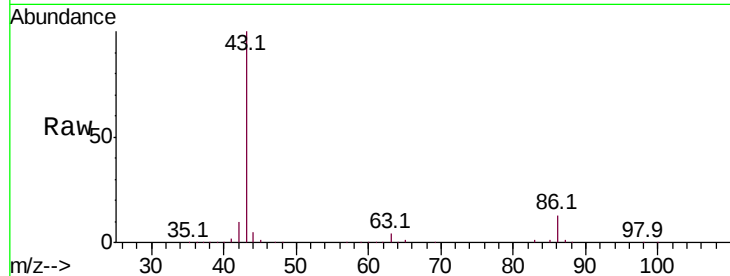
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 236187

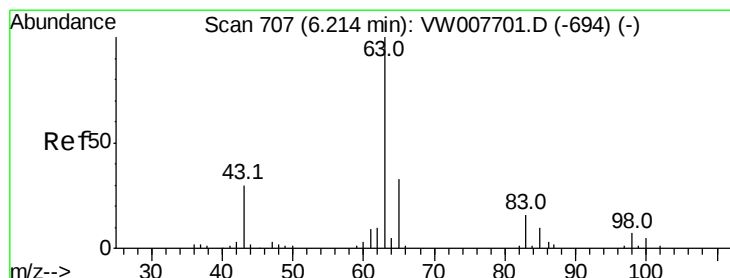
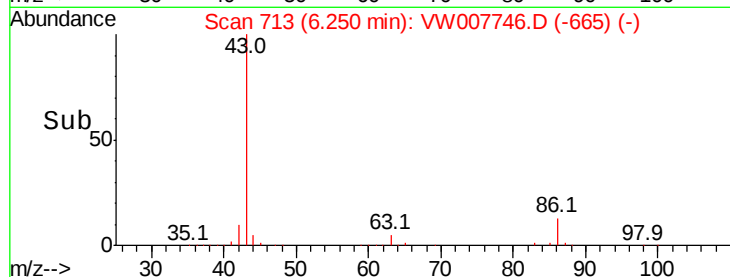
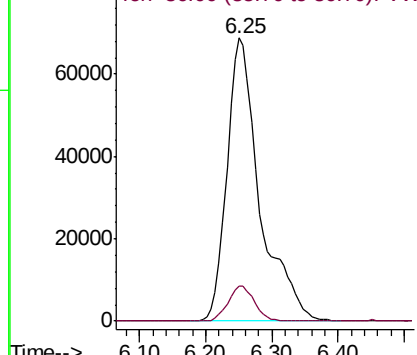
Ion Ratio Lower Upper

43 100

86 12.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.985 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

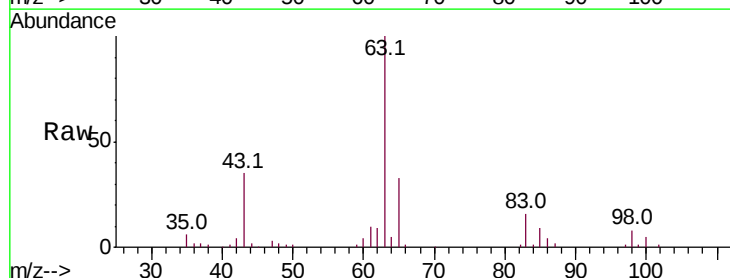
Tgt Ion: 63 Resp: 61313

Ion Ratio Lower Upper

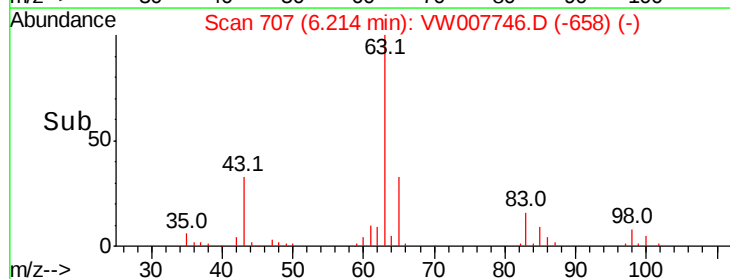
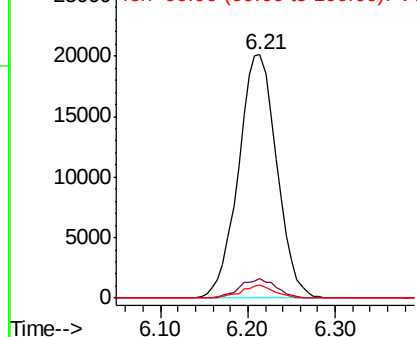
63 100

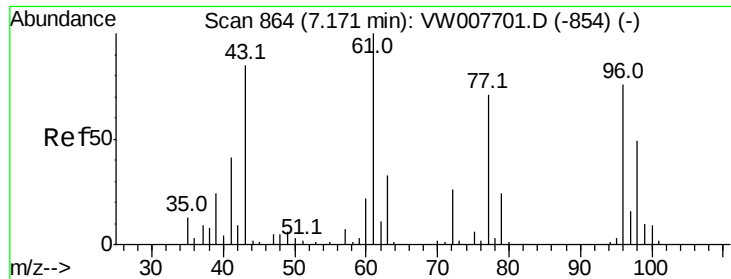
98 7.9 3.6 10.9

100 5.2 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 216.105 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

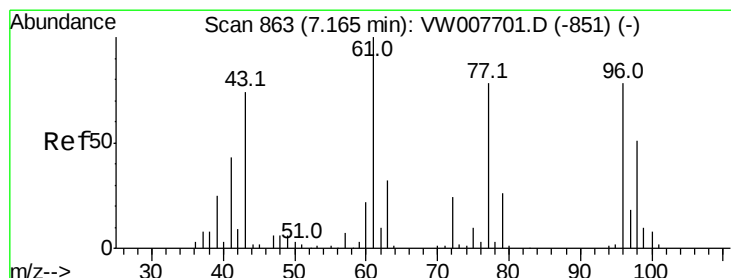
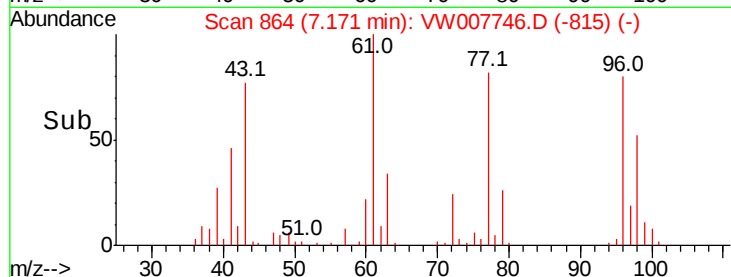
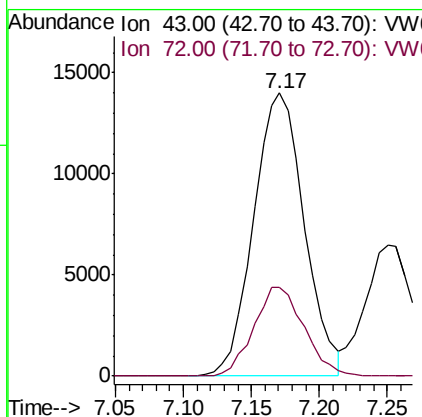
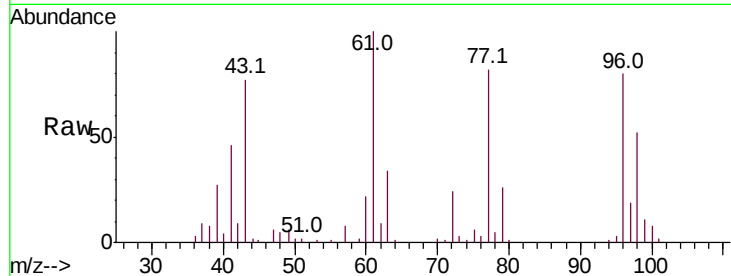
ClientSampleId :

Tot Ion: 43 Resp: 36486

Ion Ratio Lower Upper

43 100

72 31.5 24.5 36.7



#26

2,2-Dichloropropane

Concen: 49.900 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007746.D

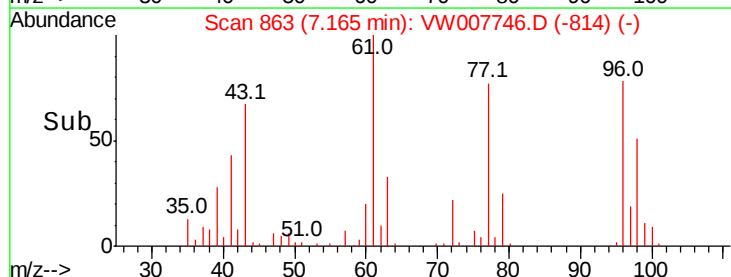
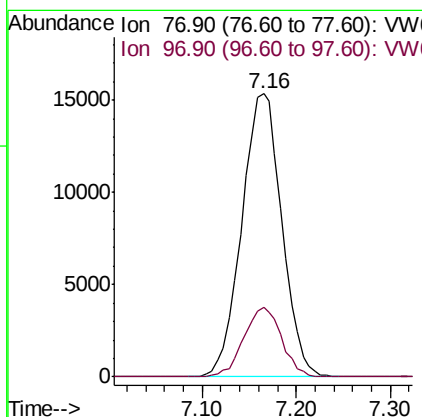
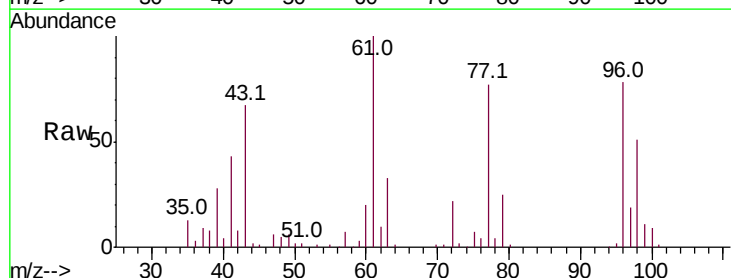
Acq: 20 Dec 2018 14:37

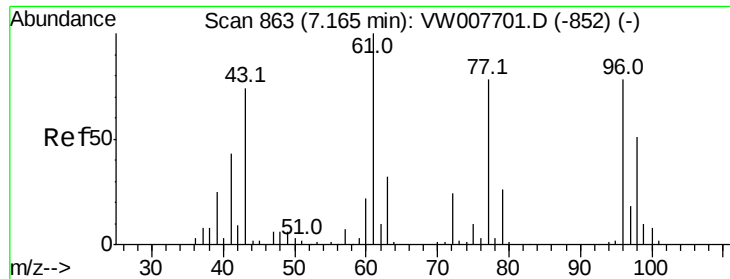
Tgt Ion: 77 Resp: 45704

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.9



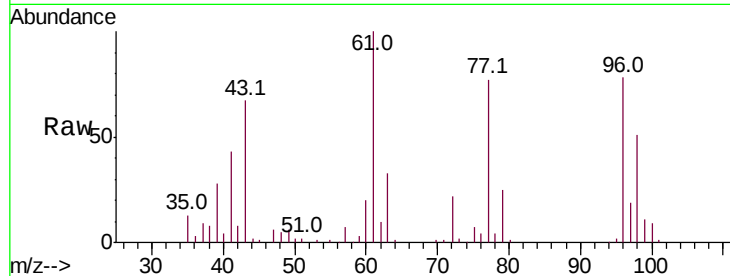


#27

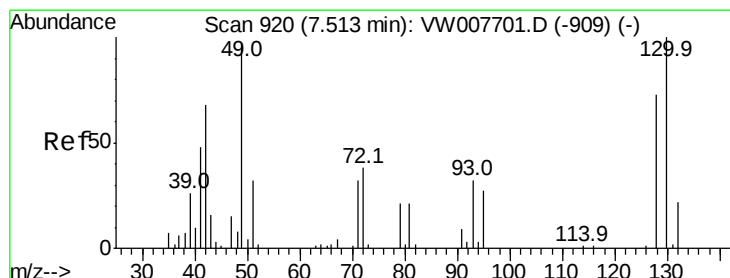
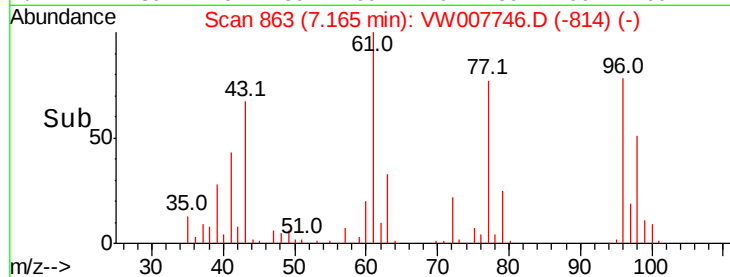
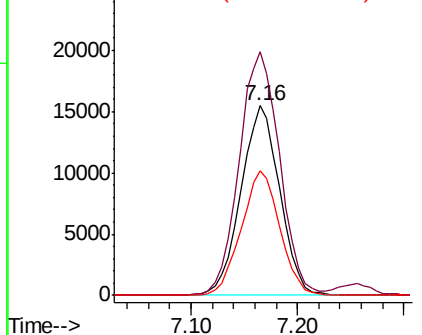
cis-1,2-Dichloroethene
Concen: 48.608 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 39465
Ion Ratio Lower Upper
96 100
61 134.3 0.0 271.6
98 65.4 0.0 131.2



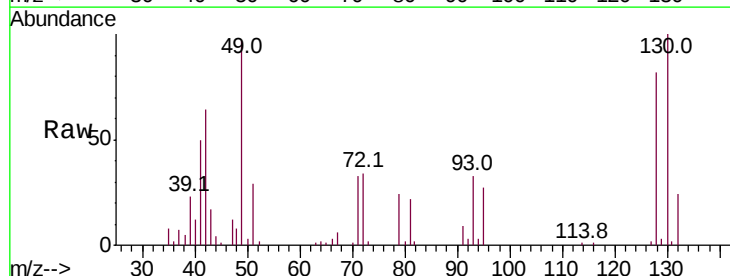
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



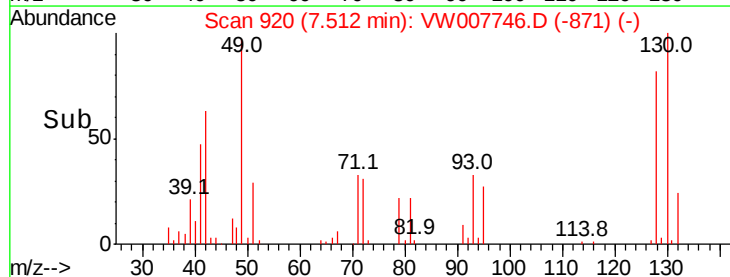
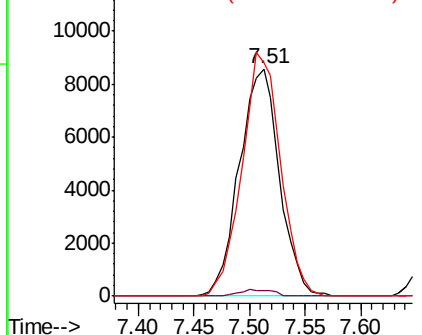
#28

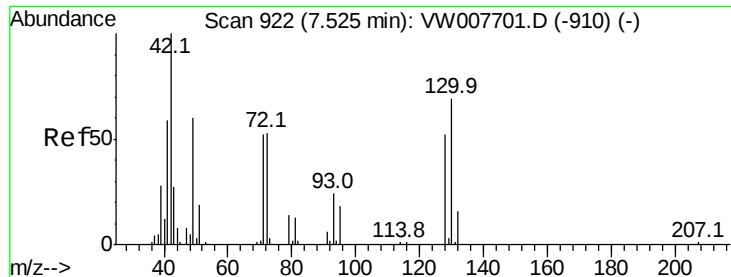
Bromochloromethane
Concen: 50.420 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 49 Resp: 21517
Ion Ratio Lower Upper
49 100
129 2.5 0.0 2.2#
130 103.1 81.5 122.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

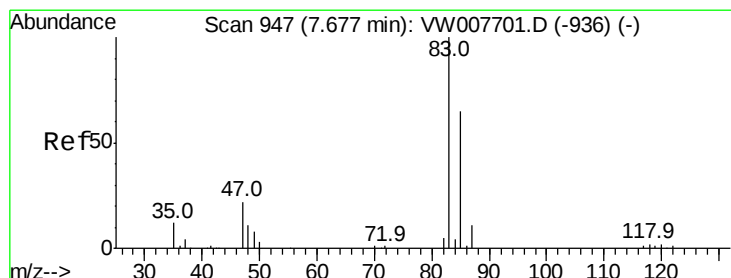
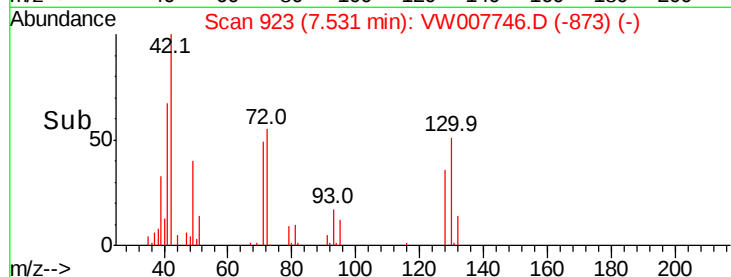
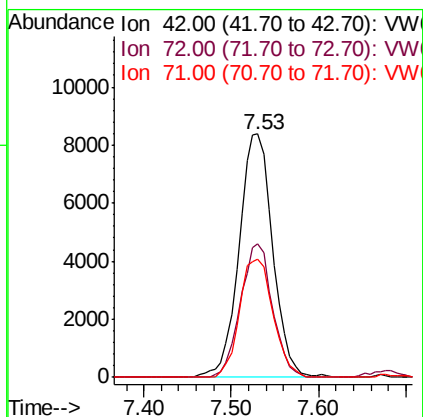
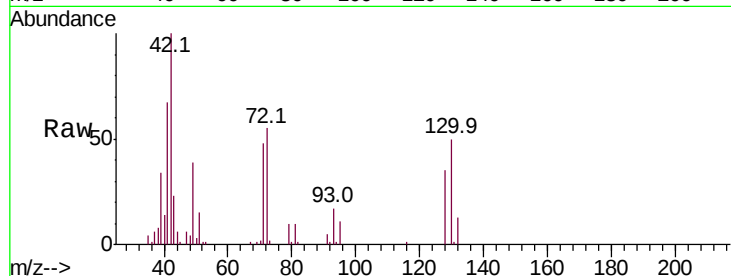




#29
Tetrahydrofuran
Concen: 222.249 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

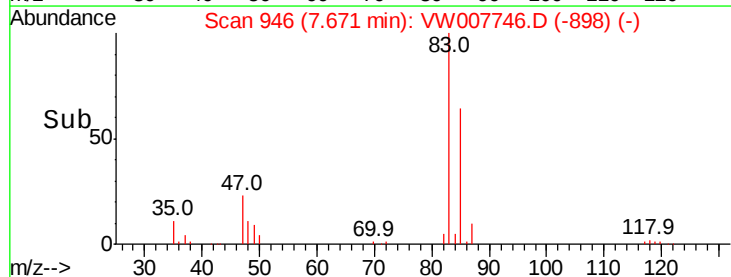
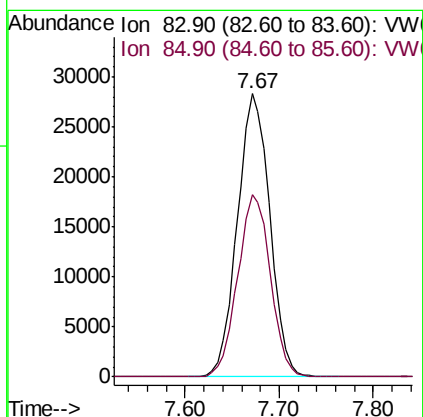
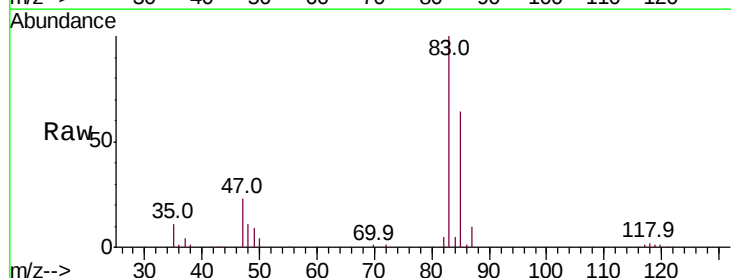
Instrument :
MSVOA_W
ClientSampled :

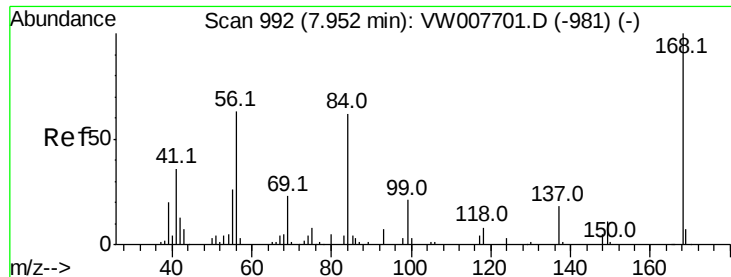
Tot Ion: 42 Resp: 22382
Ion Ratio Lower Upper
42 100
72 51.9 41.7 62.5
71 48.4 39.0 58.6



#30
Chloroform
Concen: 48.202 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 83 Resp: 68277
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2

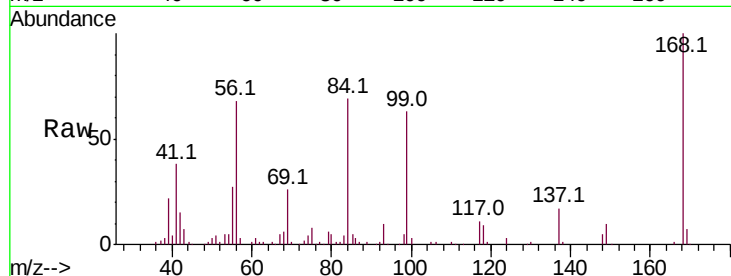




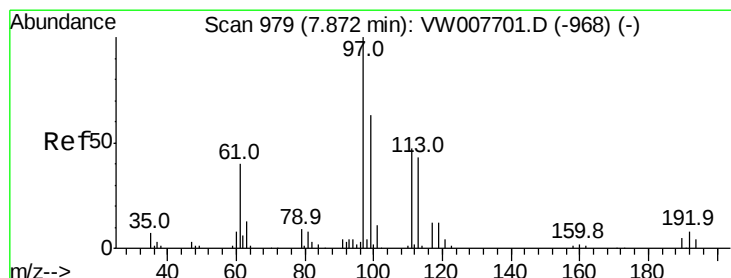
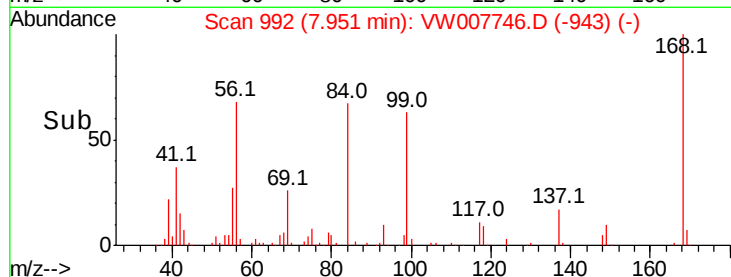
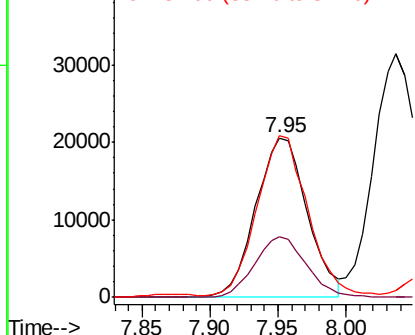
#31
Cyclohexane
Concen: 47.293 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 54192
Ion Ratio Lower Upper
56 100
69 38.2 29.7 44.5
84 99.5 78.9 118.3

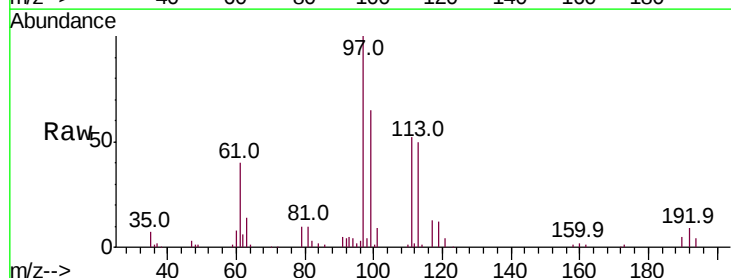


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

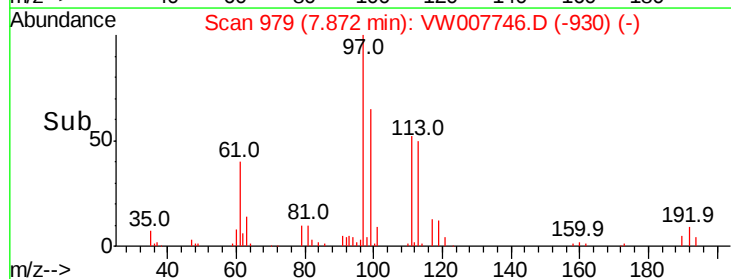
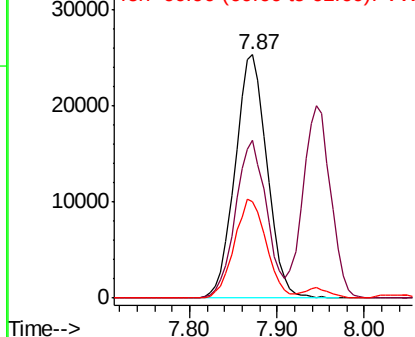


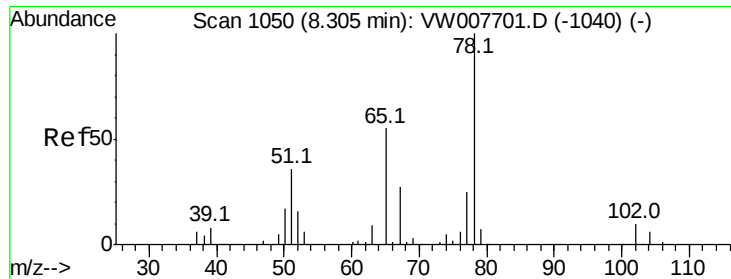
#32
1,1,1-Trichloroethane
Concen: 49.758 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 97 Resp: 64191
Ion Ratio Lower Upper
97 100
99 63.4 50.6 76.0
61 40.9 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 52.694 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

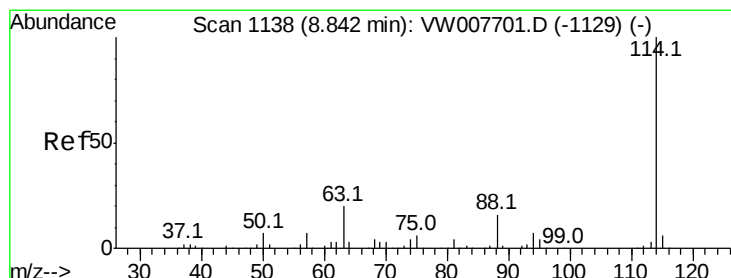
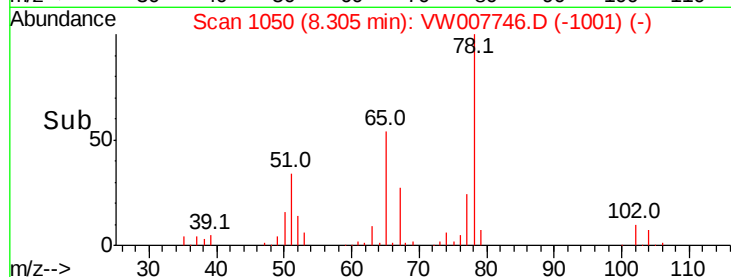
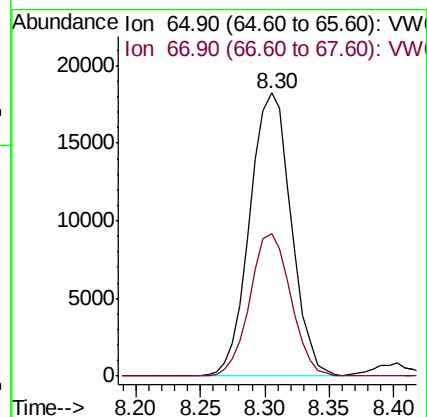
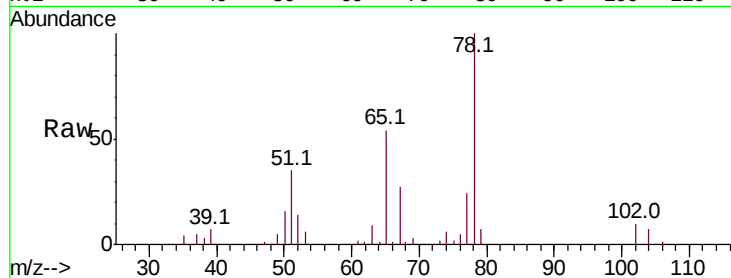
ClientSampled :

Tot Ion: 65 Resp: 40561

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

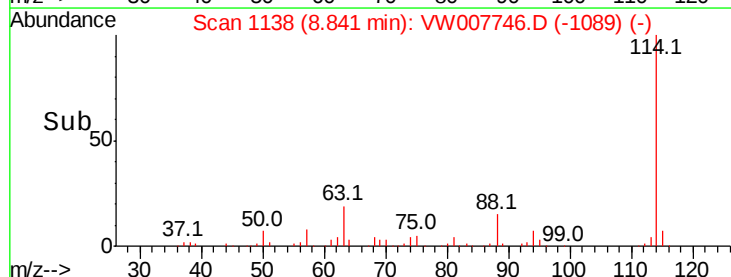
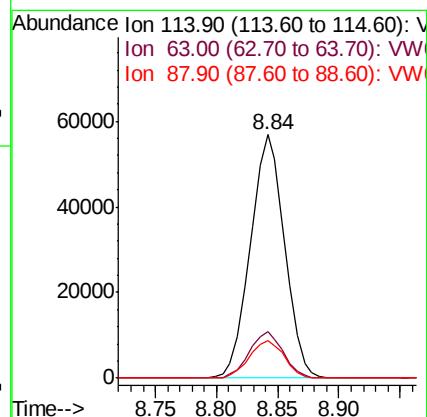
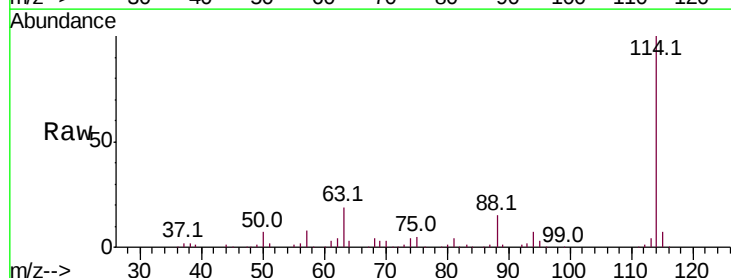
Tgt Ion: 114 Resp: 110367

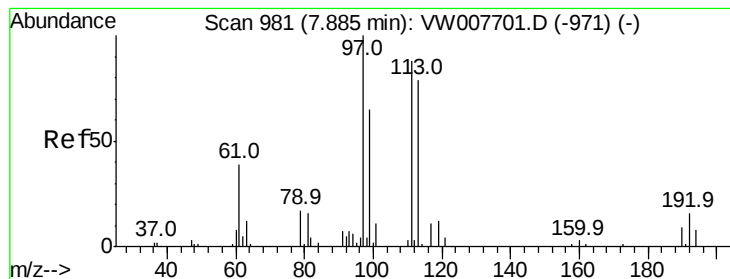
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.512 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampled :

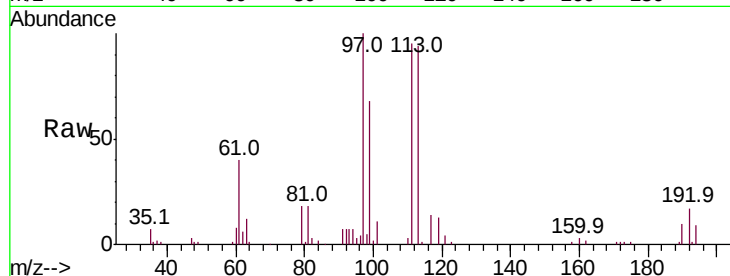
Tot Ion:113 Resp: 37376

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

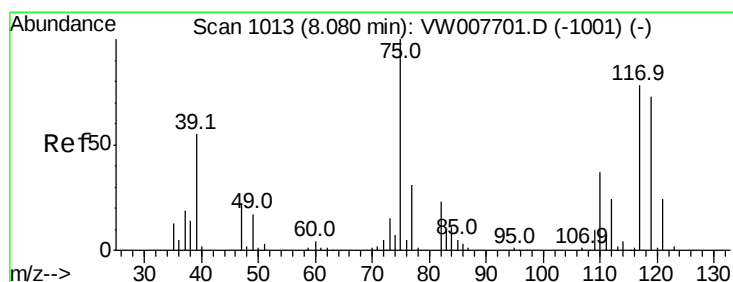
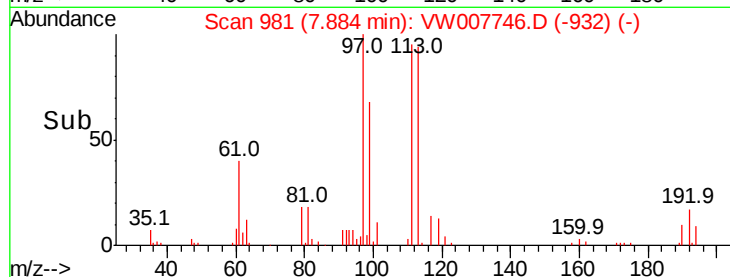
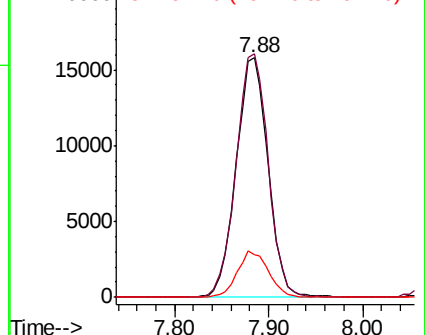
192 18.8 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.378 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

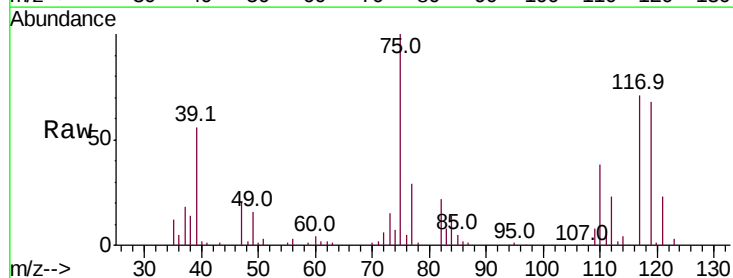
Tgt Ion: 75 Resp: 54730

Ion Ratio Lower Upper

75 100

110 36.3 18.6 55.8

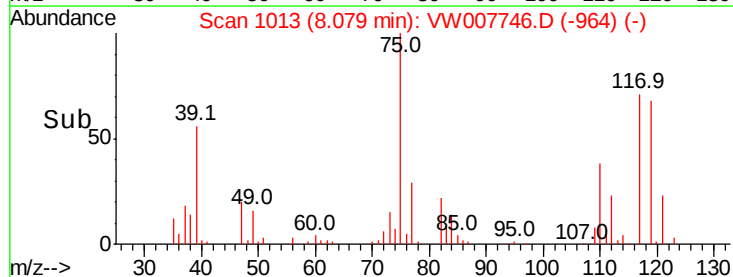
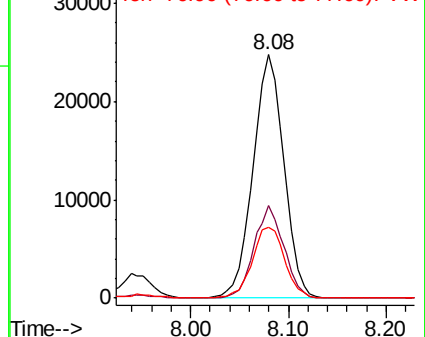
77 30.6 25.0 37.4

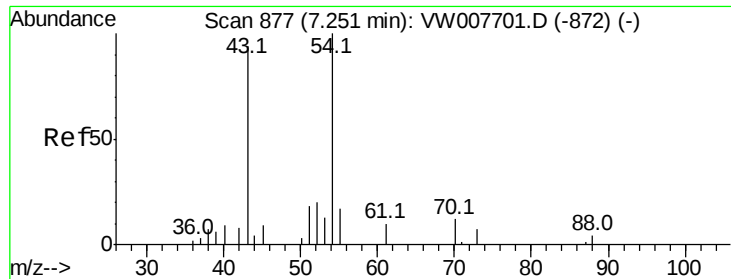


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

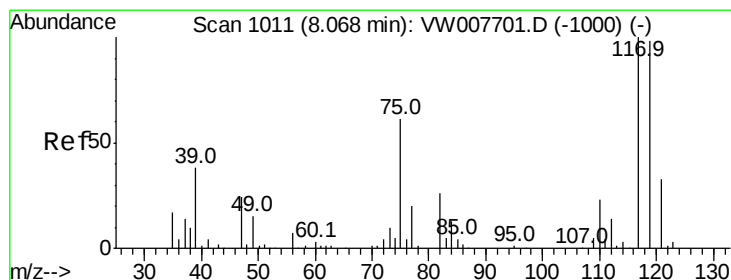
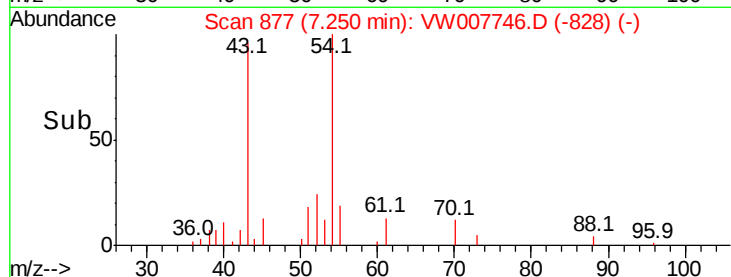
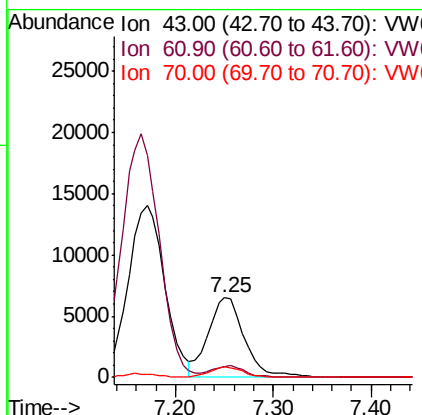
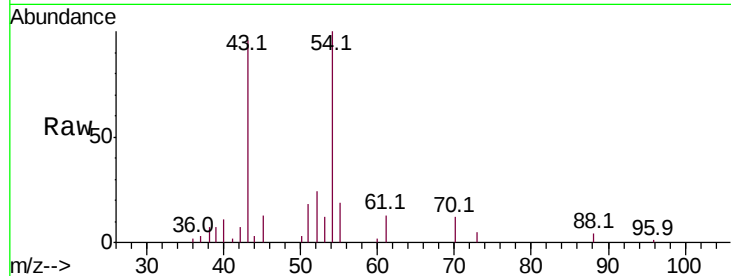




#37
Ethyl Acetate
Concen: 45.641 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

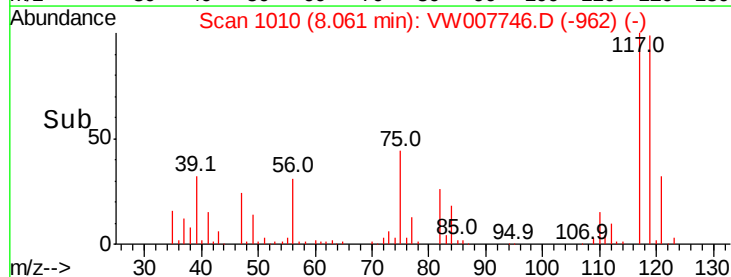
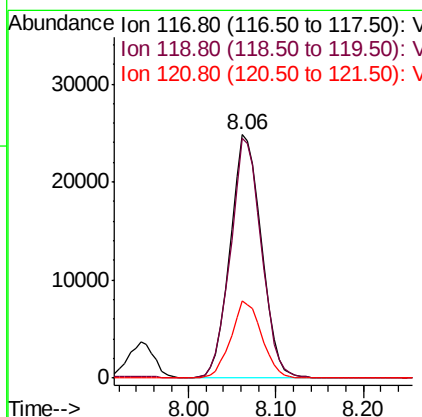
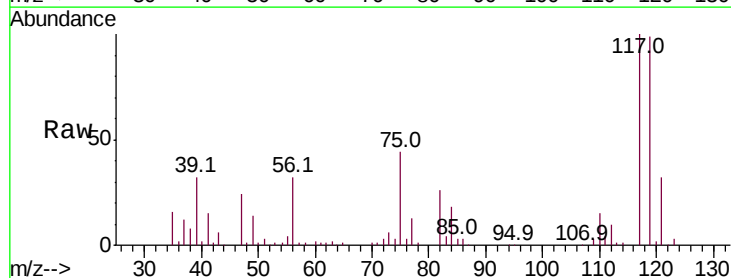
Instrument :
MSVOA_W
ClientSampleId :

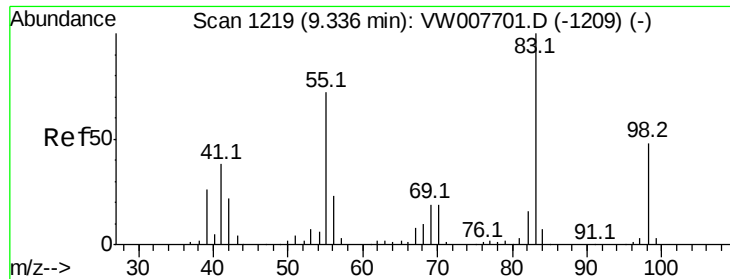
Tot Ion: 43 Resp: 16779
Ion Ratio Lower Upper
43 100
61 12.8 11.2 16.8
70 12.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 49.352 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 117 Resp: 61913
Ion Ratio Lower Upper
117 100
119 98.7 78.2 117.2
121 31.9 26.1 39.1

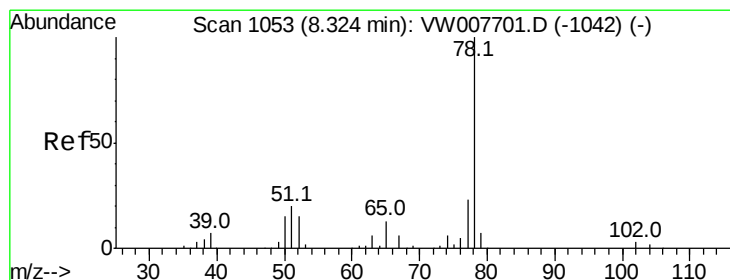
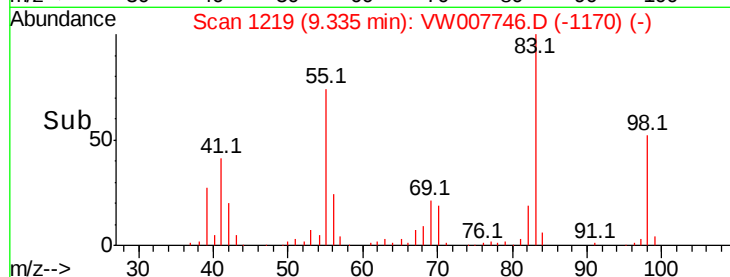
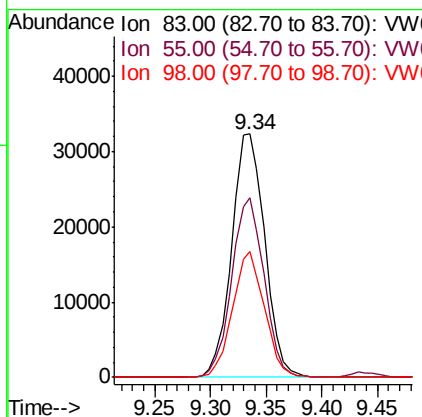
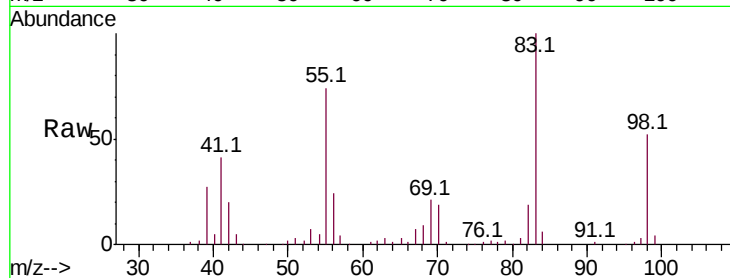




#39
Methvlcvclohexane
Concen: 50.376 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

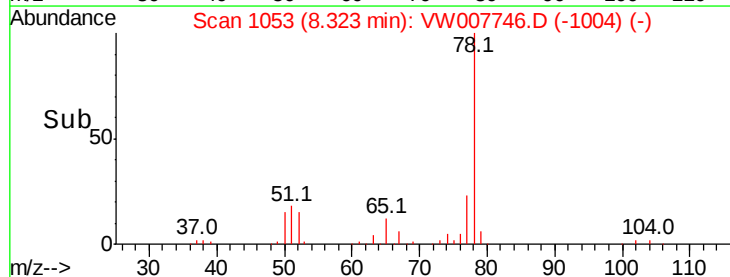
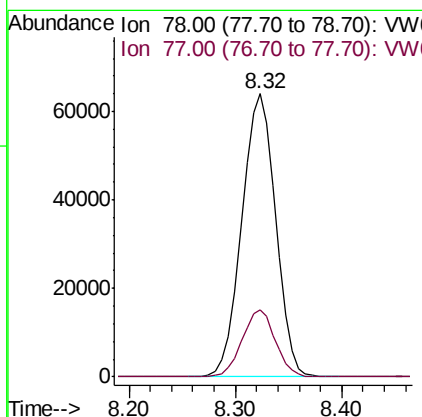
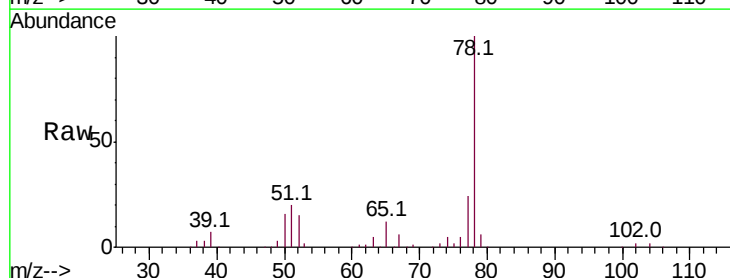
Instrument :
MSVOA_W
ClientSampled :

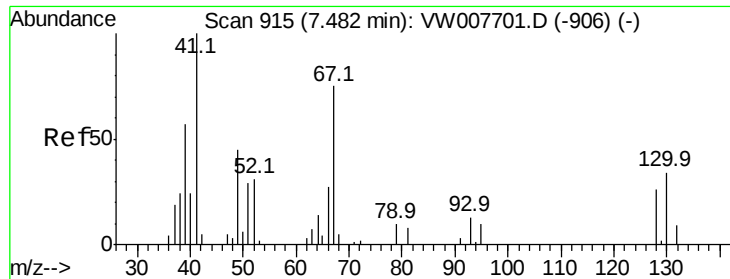
Tot Ion: 83 Resp: 66682
Ion Ratio Lower Upper
83 100
55 74.0 57.2 85.8
98 51.8 38.6 58.0



#40
Benzene
Concen: 50.196 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 78 Resp: 142685
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1





#41

Methacrylonitrile

Concen: 48.854 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 10197

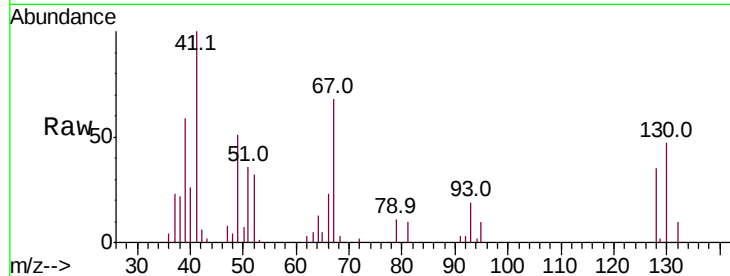
Ion Ratio Lower Upper

41 100

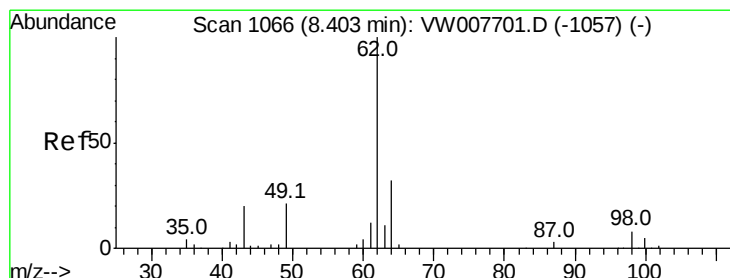
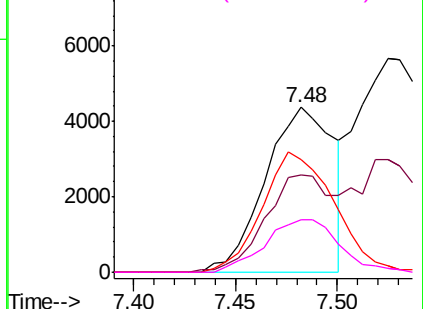
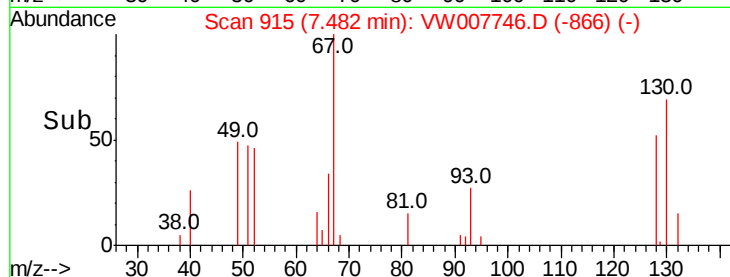
39 58.6 54.2 81.4

67 76.5 65.7 98.5

52 34.6 26.2 39.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.510 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007746.D

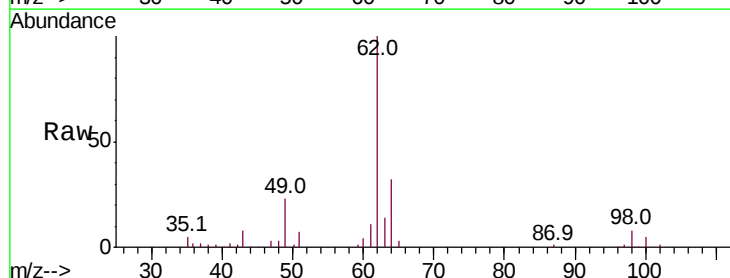
Acq: 20 Dec 2018 14:37

Tgt Ion: 62 Resp: 46211

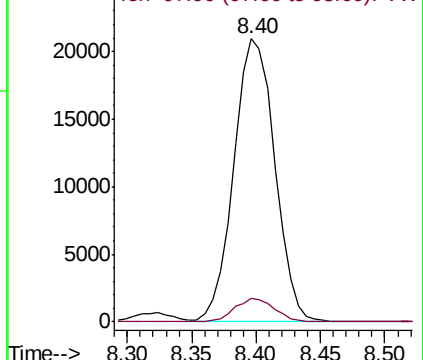
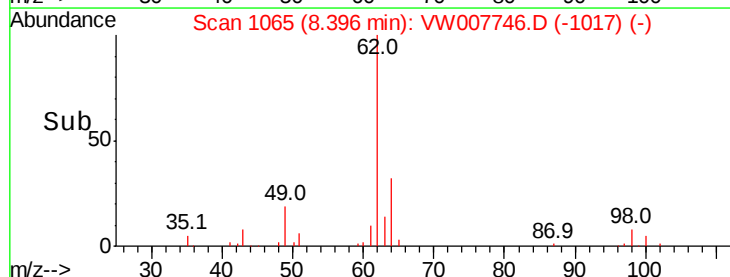
Ion Ratio Lower Upper

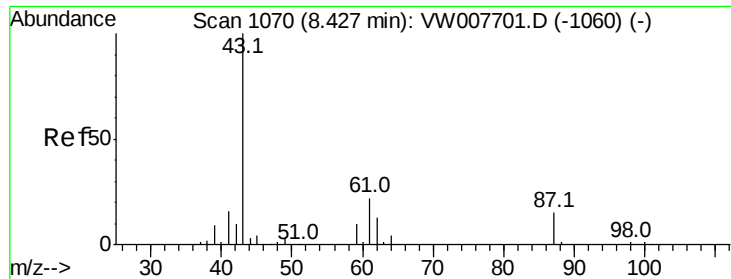
62 100

98 8.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 44.794 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampleId :

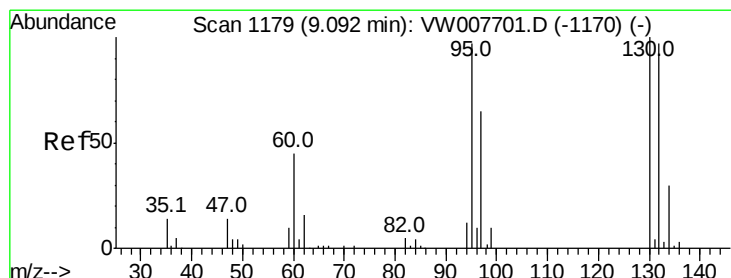
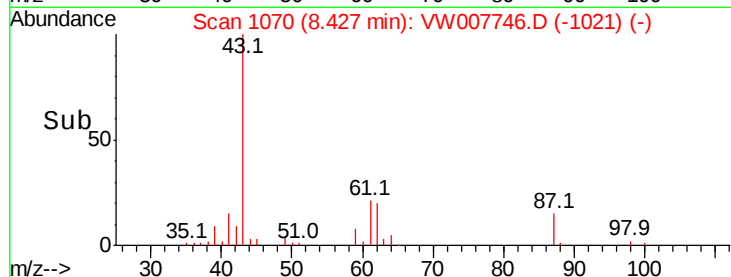
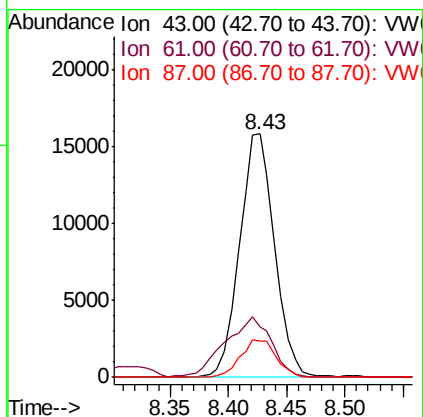
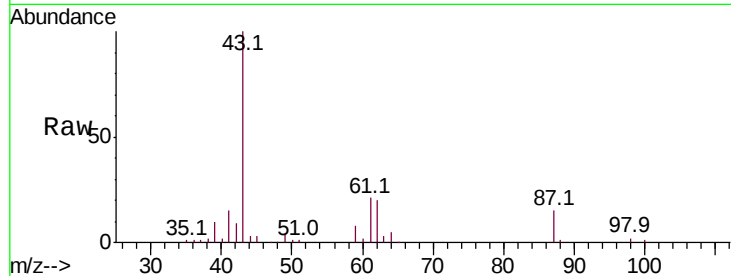
Tot Ion: 43 Resp: 32992

Ion Ratio Lower Upper

43 100

61 32.7 26.3 39.5

87 15.6 12.0 18.0



#44

Trichloroethene

Concen: 50.317 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007746.D

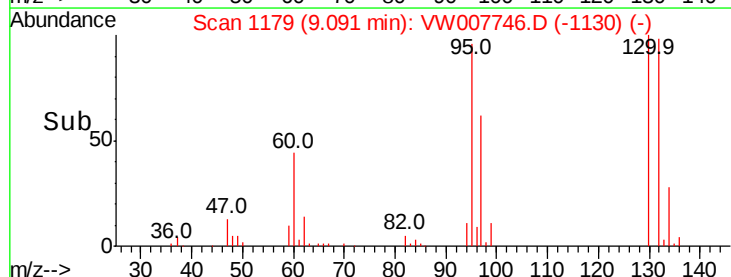
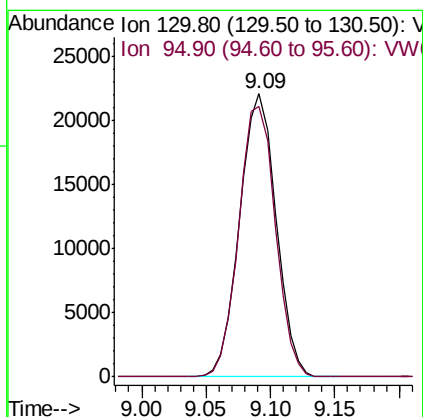
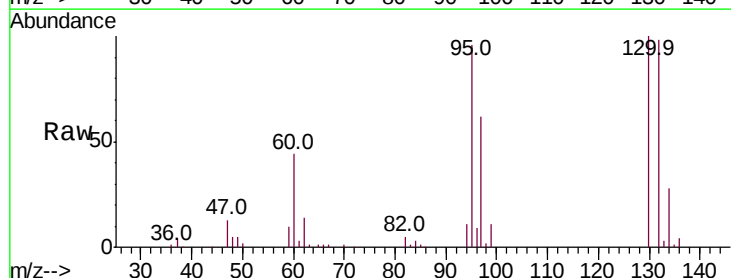
Acq: 20 Dec 2018 14:37

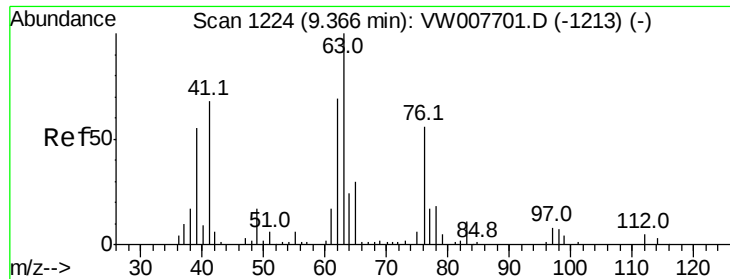
Tgt Ion: 130 Resp: 43254

Ion Ratio Lower Upper

130 100

95 95.7 0.0 194.8





#45

1,2-Dichloropropane

Concen: 50.041 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

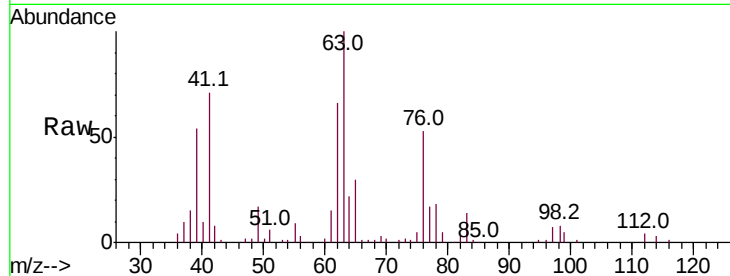
ClientSampleId :

Tot Ion: 63 Resp: 31563

Ion Ratio Lower Upper

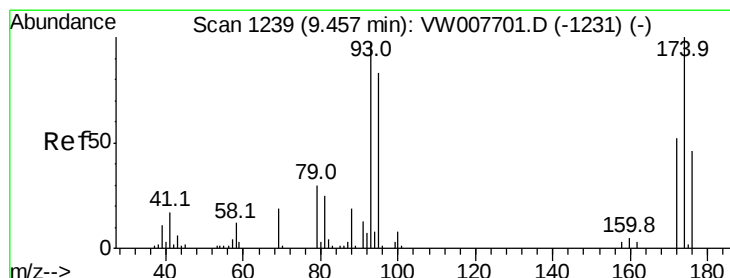
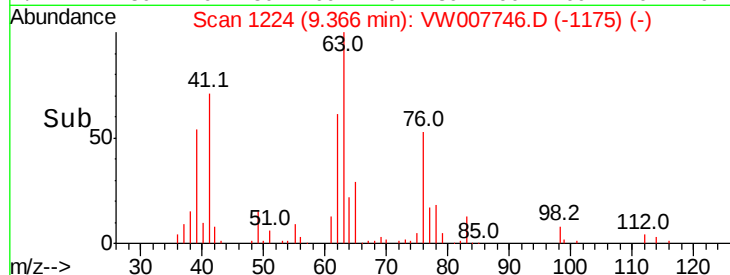
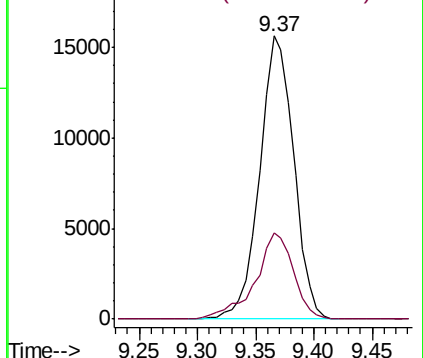
63 100

65 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 47.941 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

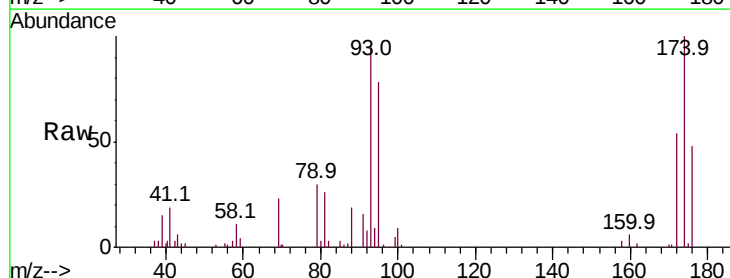
Tgt Ion: 93 Resp: 18614

Ion Ratio Lower Upper

93 100

95 82.7 67.5 101.3

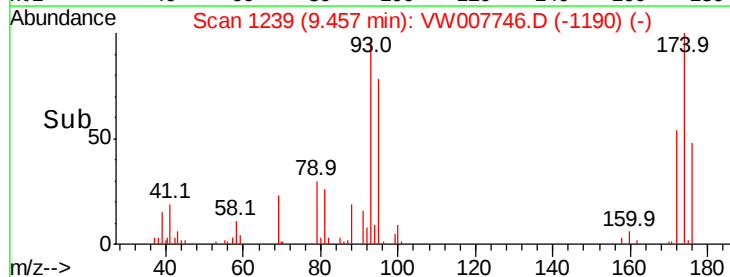
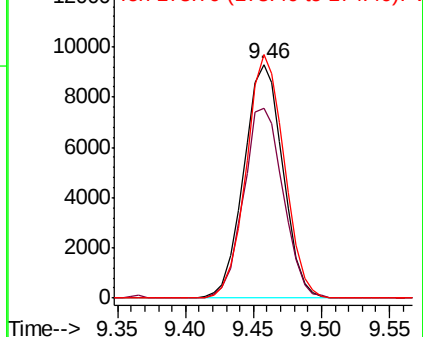
174 101.4 83.9 125.9

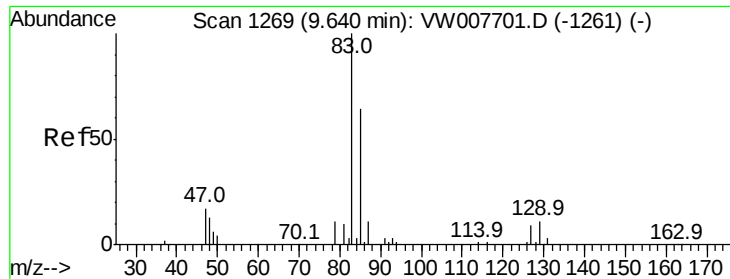


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.439 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

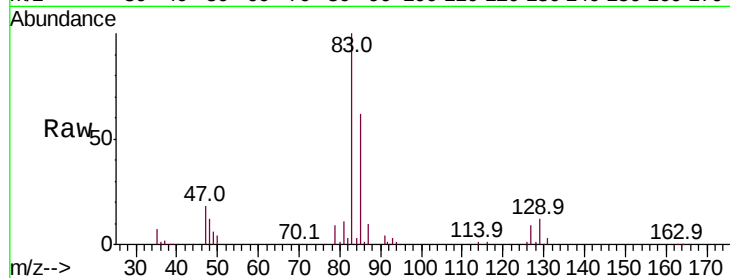
Tot Ion: 83 Resp: 49443

Ion Ratio Lower Upper

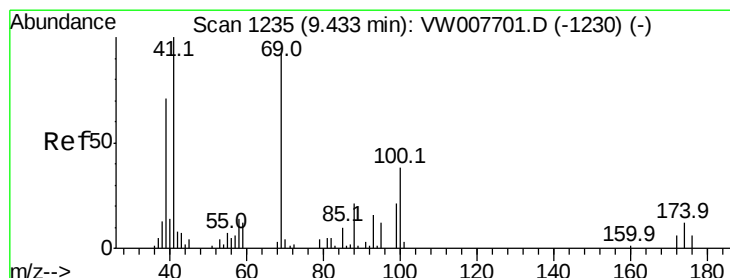
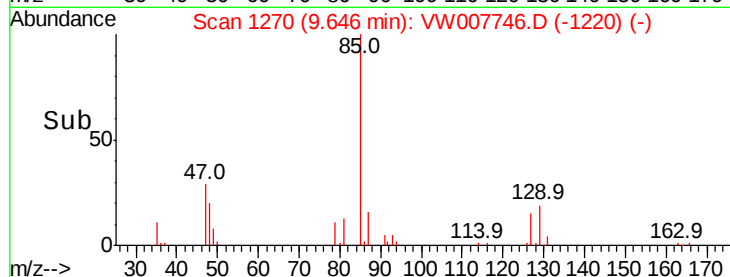
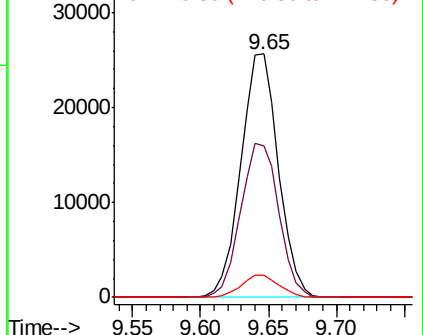
83 100

85 62.1 51.4 77.0

127 9.0 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 44.435 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

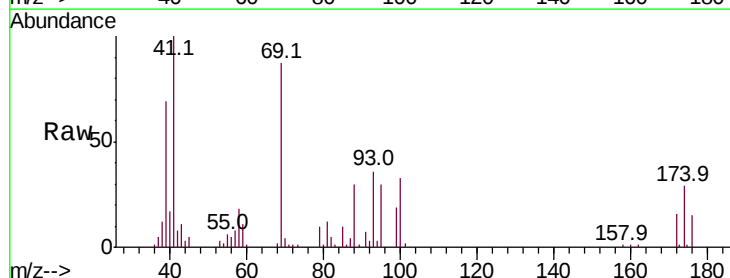
Tgt Ion: 41 Resp: 16336

Ion Ratio Lower Upper

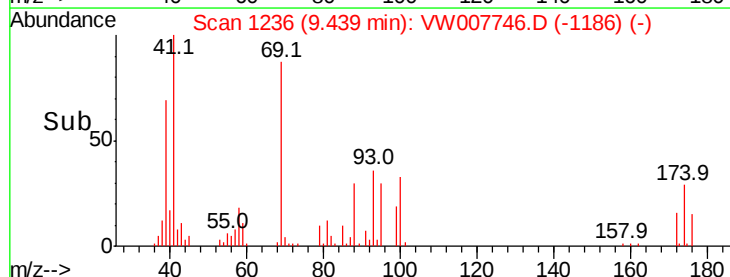
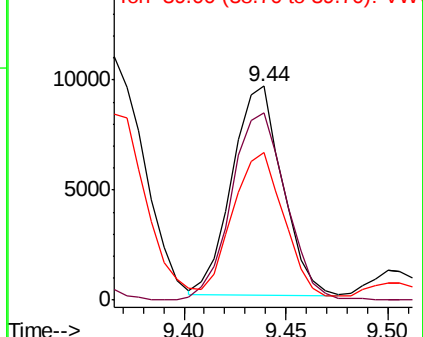
41 100

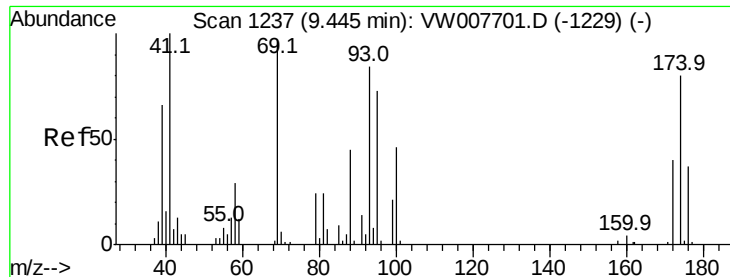
69 96.9 74.2 111.2

39 68.6 53.9 80.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1008.970 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampleId :

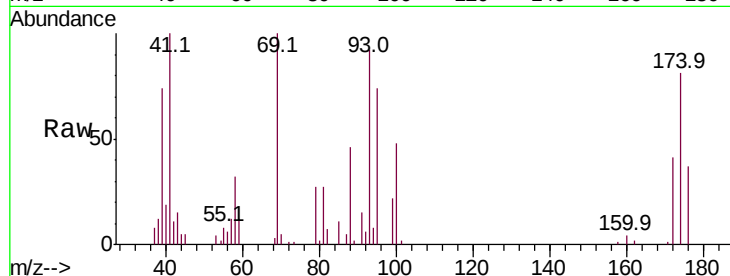
Tot Ion: 88 Resp: 6211

Ion Ratio Lower Upper

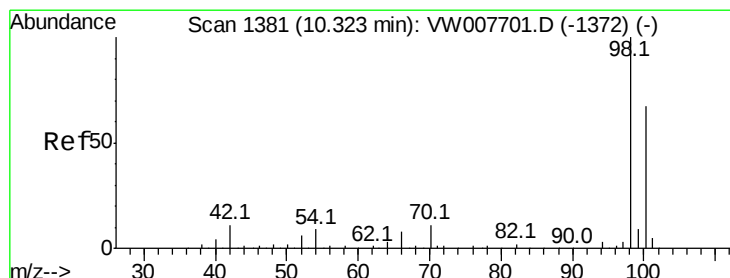
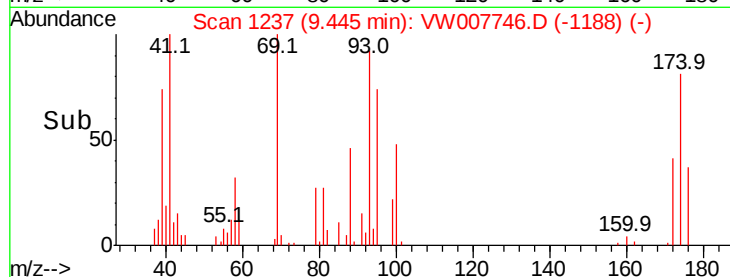
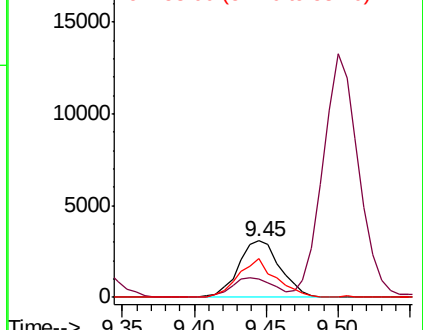
88 100

43 33.8 25.6 38.4

58 61.4 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 56.509 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007746.D

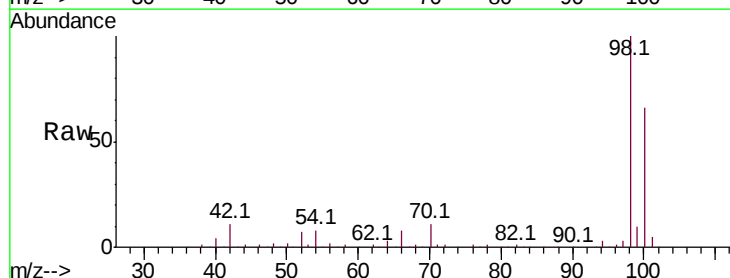
Acq: 20 Dec 2018 14:37

Tgt Ion: 98 Resp: 143433

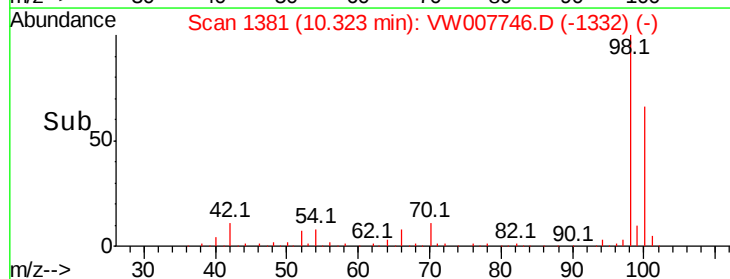
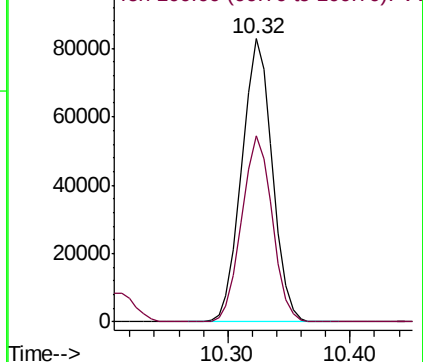
Ion Ratio Lower Upper

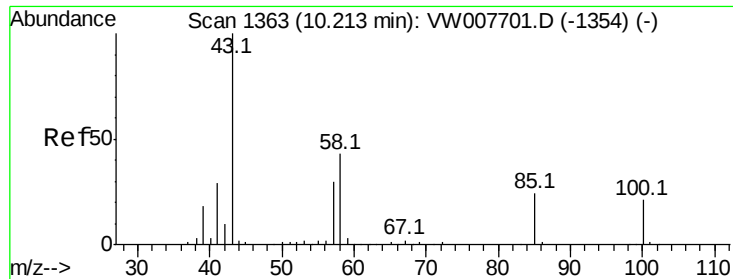
98 100

100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 222.655 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

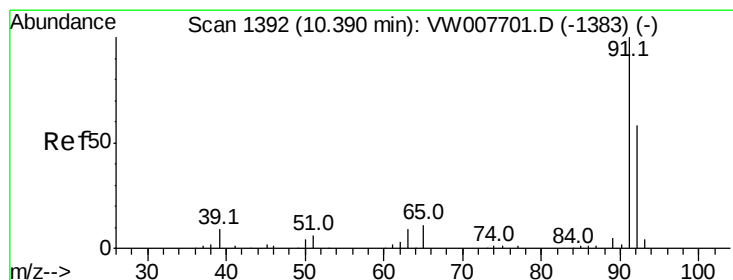
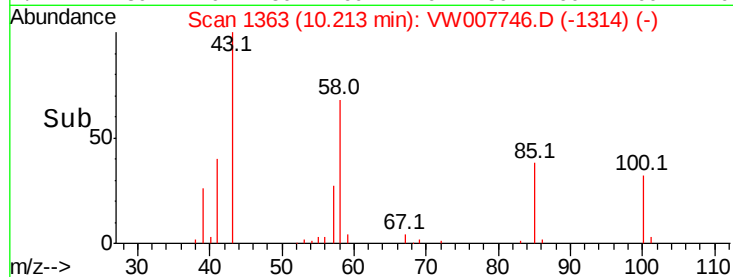
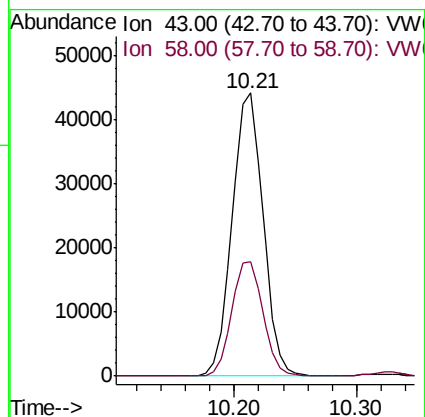
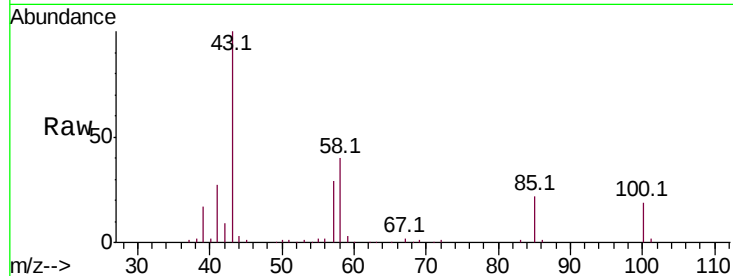
ClientSampled :

Tot Ion: 43 Resp: 77502

Ion Ratio Lower Upper

43 100

58 40.7 33.2 49.8



#52

Toluene

Concen: 49.986 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007746.D

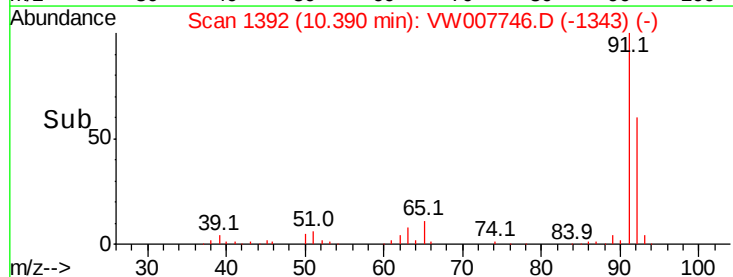
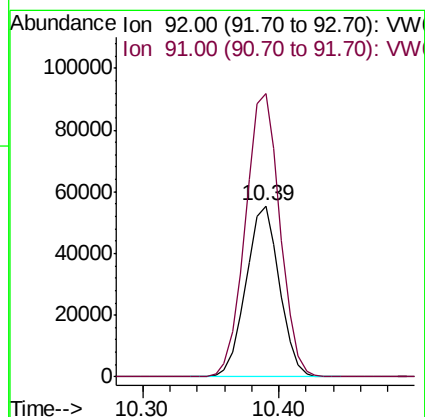
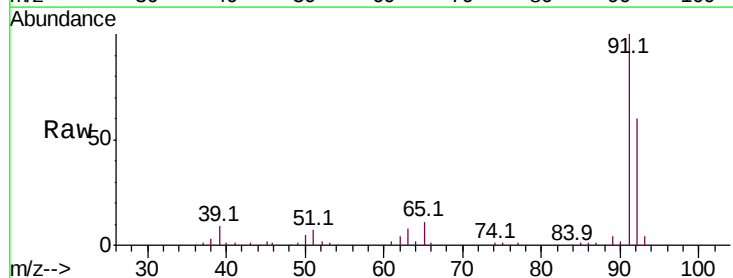
Acq: 20 Dec 2018 14:37

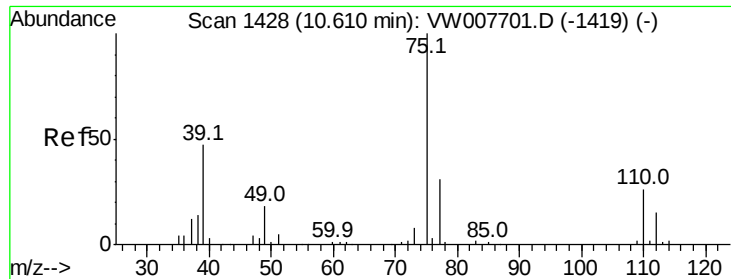
Tgt Ion: 92 Resp: 95333

Ion Ratio Lower Upper

92 100

91 170.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 47.483 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

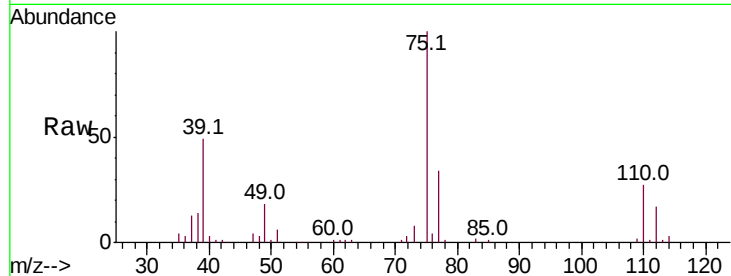
ClientSampleId :

Tot Ion: 75 Resp: 48208

Ion Ratio Lower Upper

75 100

77 33.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

30000

25000

20000

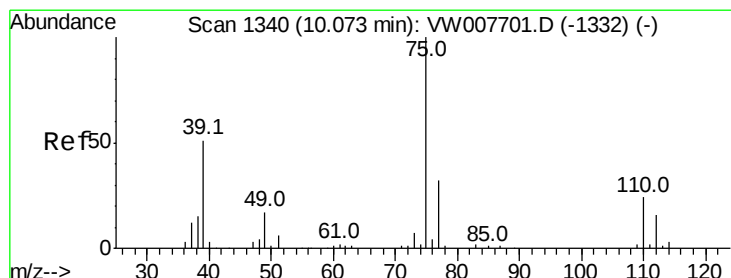
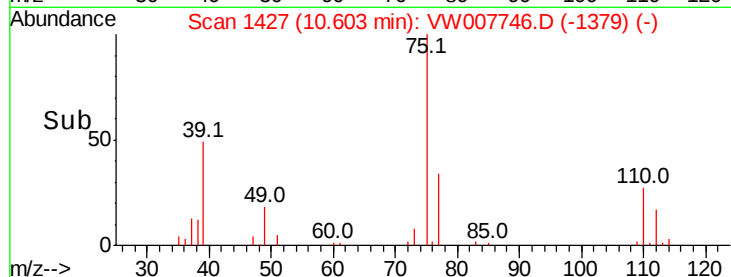
15000

10000

5000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.357 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

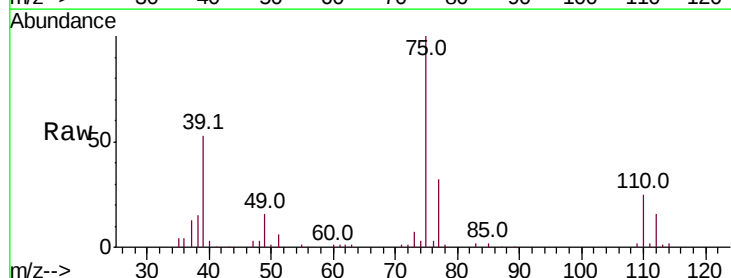
Tgt Ion: 75 Resp: 54230

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 53.1 41.2 61.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

40000

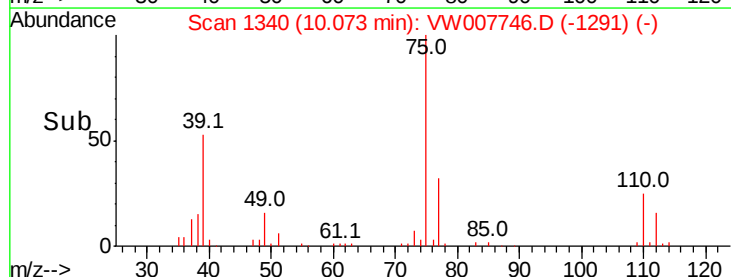
30000

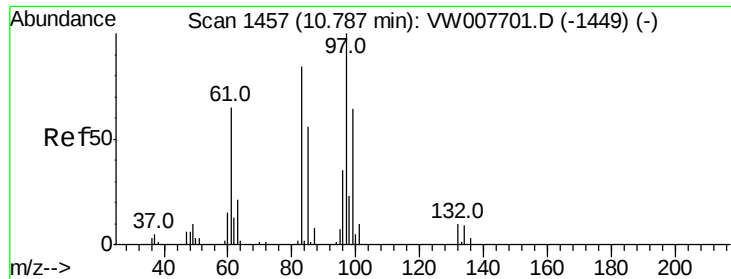
20000

10000

0

Time-->

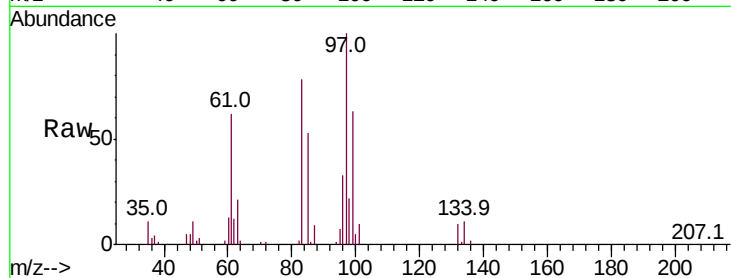




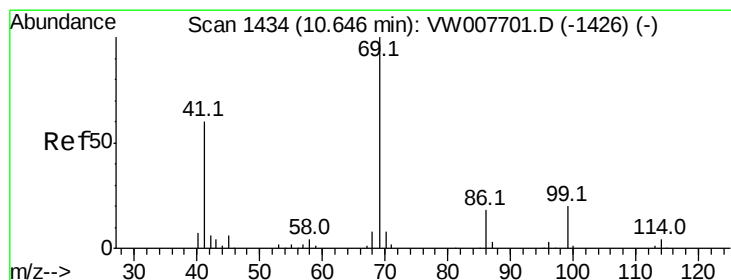
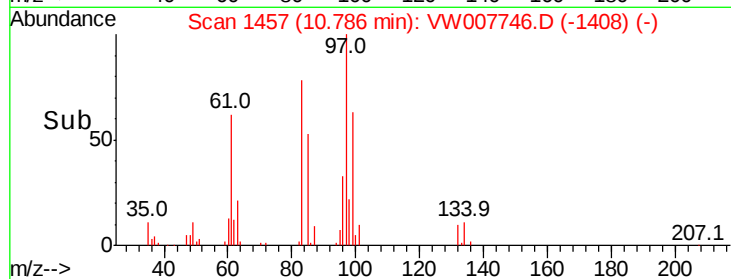
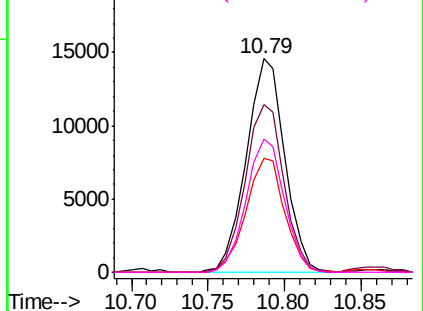
#55
1,1,2-Trichloroethane
Concen: 47.603 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 25480
Ion Ratio Lower Upper
97 100
83 78.3 67.5 101.3
85 53.4 44.8 67.2
99 62.5 51.0 76.4

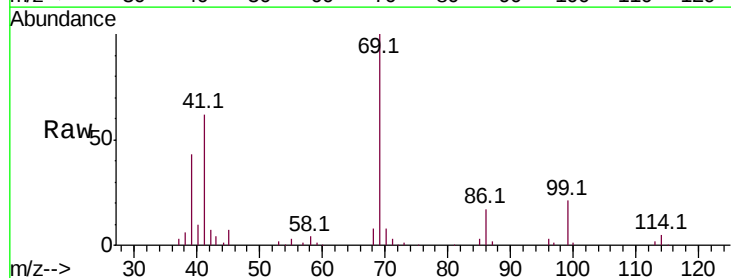


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

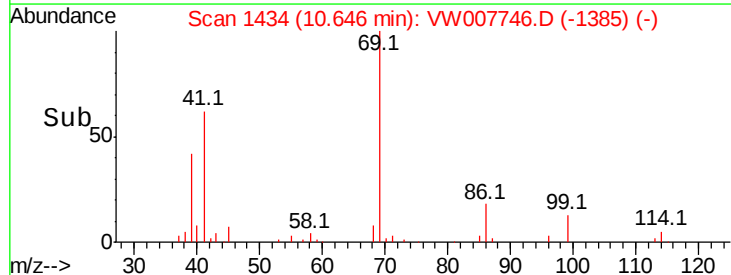
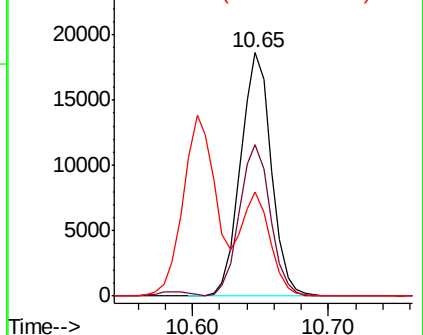


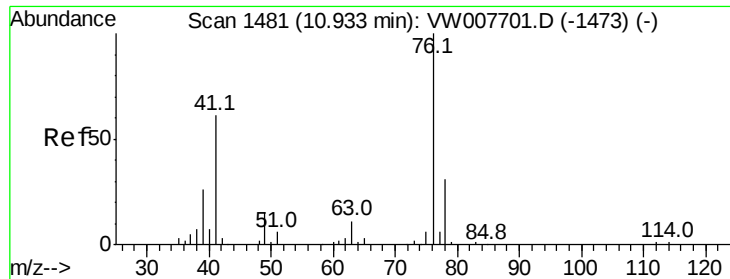
#56
Ethyl methacrylate
Concen: 46.470 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 69 Resp: 29388
Ion Ratio Lower Upper
69 100
41 63.1 48.9 73.3
39 40.5 31.3 46.9



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 46.924 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

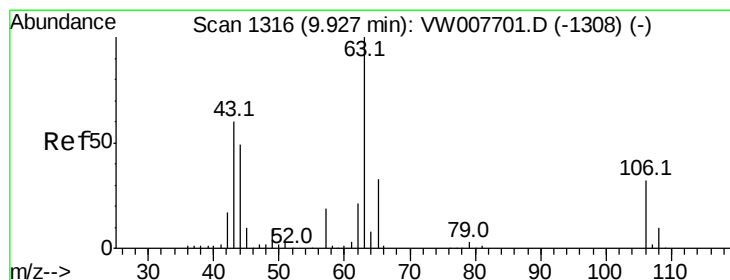
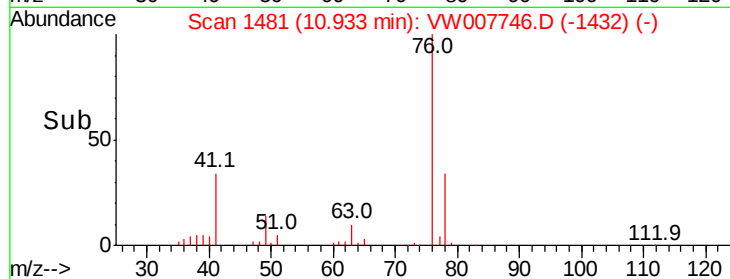
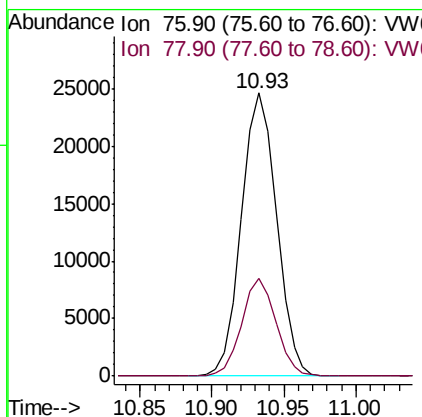
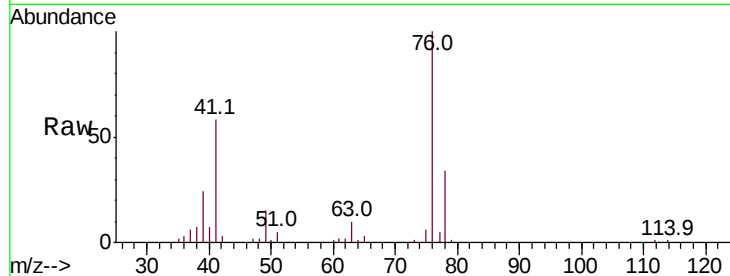
Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 41707

Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 246.095 ug/l

RT: 9.93 min Scan# 1316

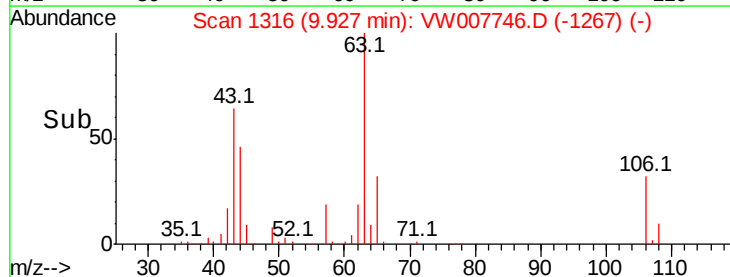
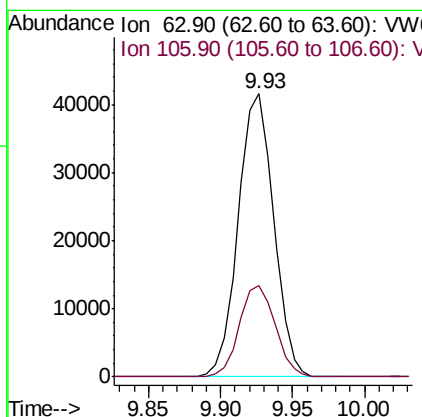
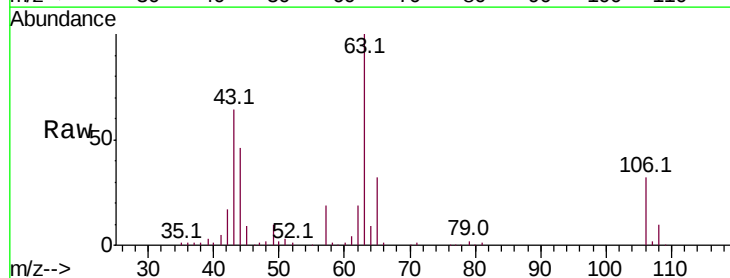
Delta R.T. -0.00 min

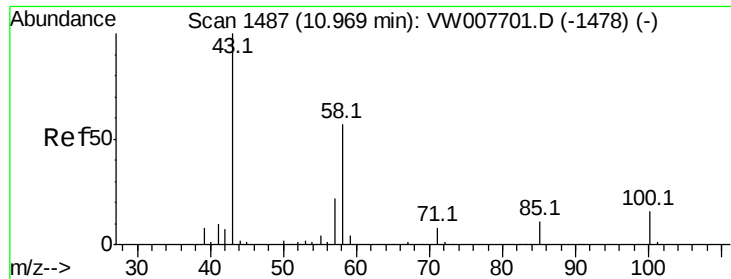
Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Tgt Ion: 63 Resp: 71058

Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.9	38.9





#59

2-Hexanone

Concen: 228.077 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

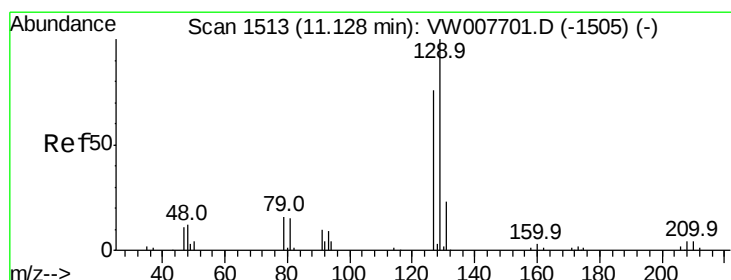
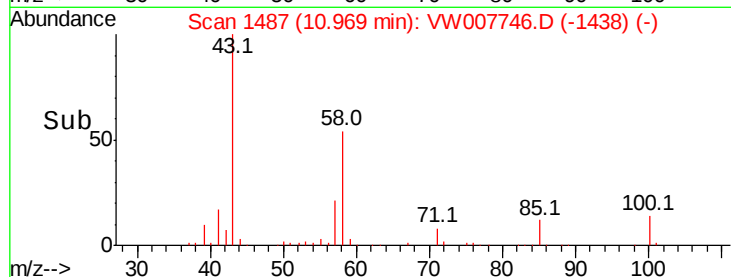
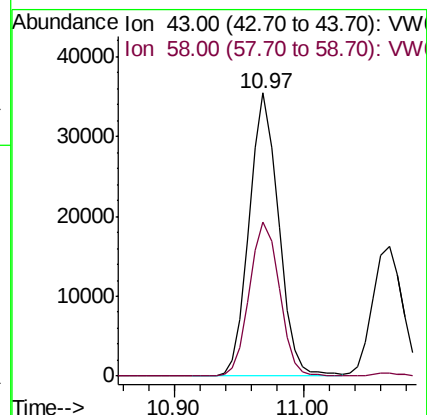
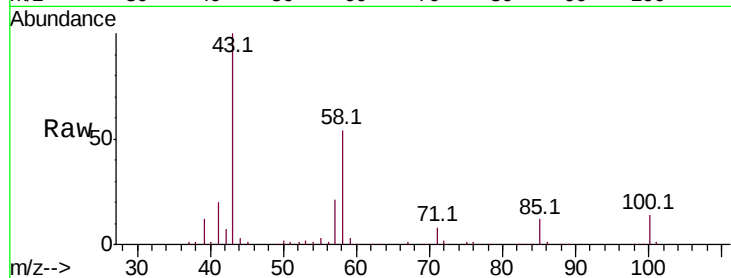
ClientSampleId :

Tot Ion: 43 Resp: 55832

Ion Ratio Lower Upper

43 100

58 55.3 27.7 83.1



#60

Dibromochloromethane

Concen: 46.310 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007746.D

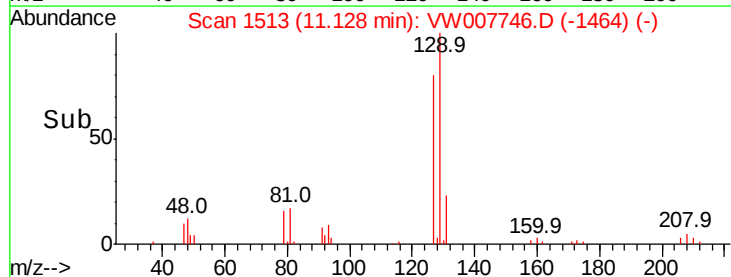
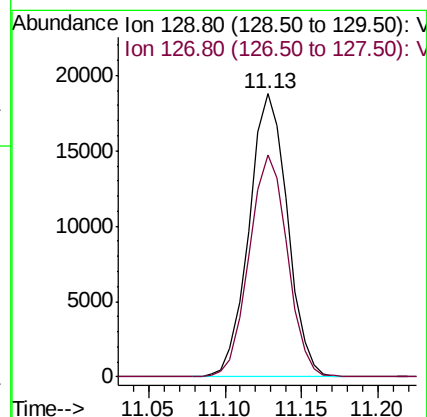
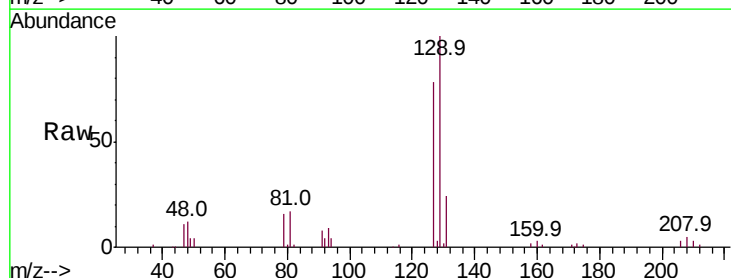
Acq: 20 Dec 2018 14:37

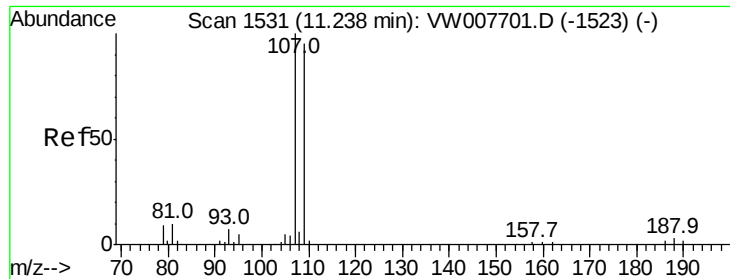
Tgt Ion: 129 Resp: 32821

Ion Ratio Lower Upper

129 100

127 78.0 38.3 114.9

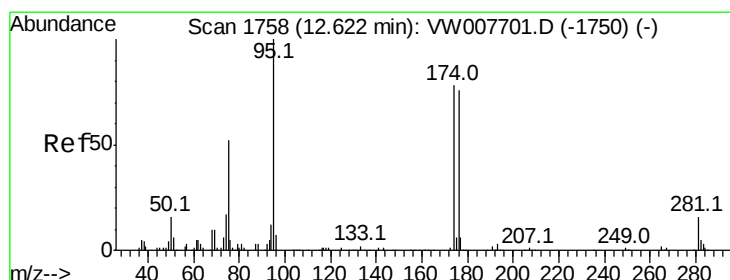
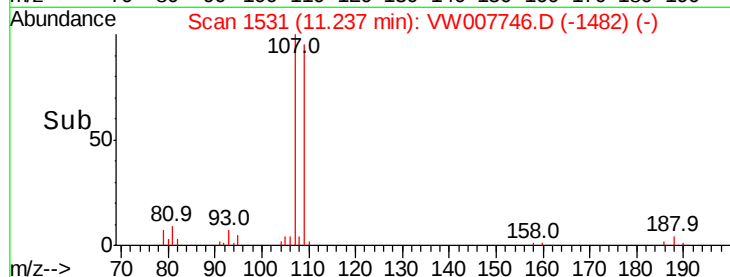
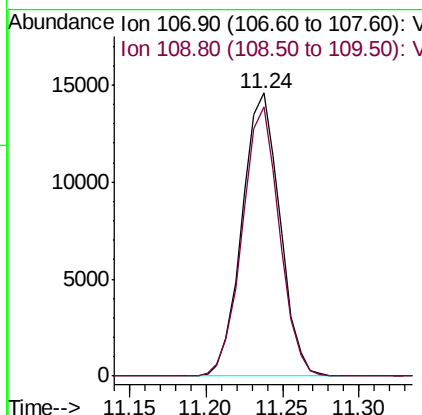
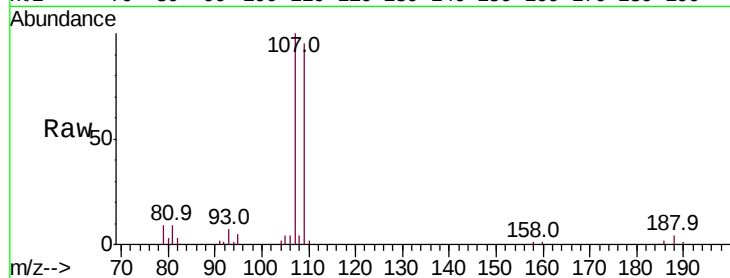




#61
 1,2-Dibromoethane
 Concen: 46.255 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

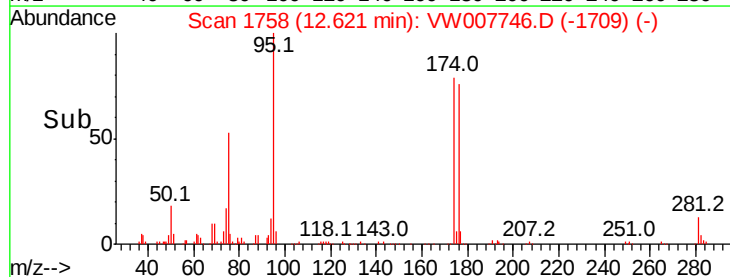
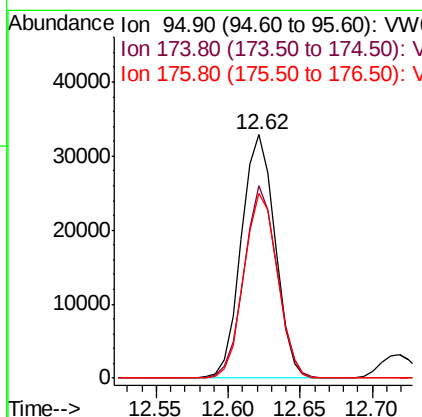
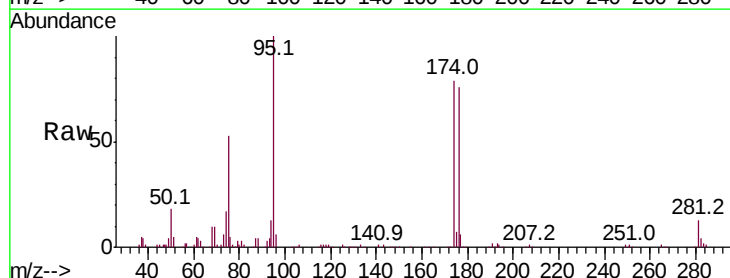
Instrument :
 MSVOA_W
 ClientSampleId :

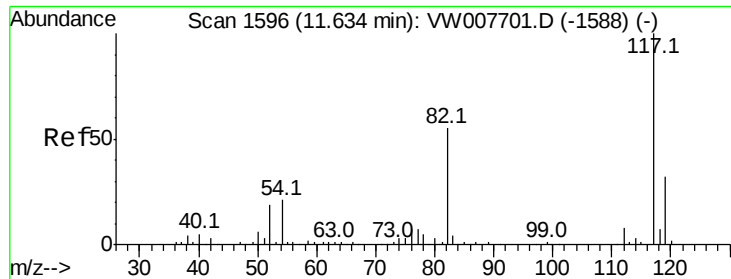
Tot Ion:107 Resp: 25072
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 54.391 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion: 95 Resp: 53334
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 152.2
 176 75.4 0.0 146.8

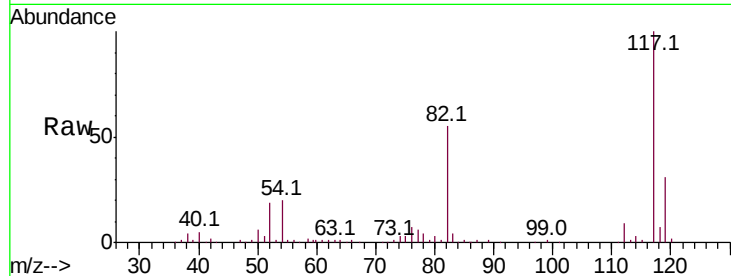




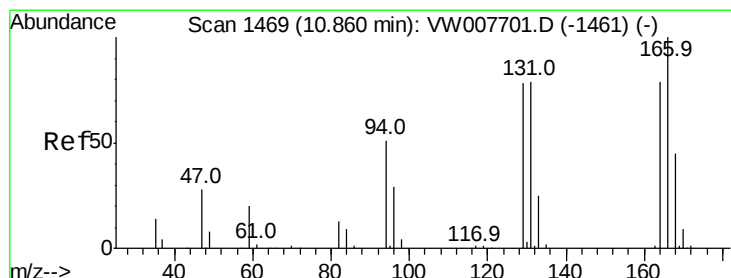
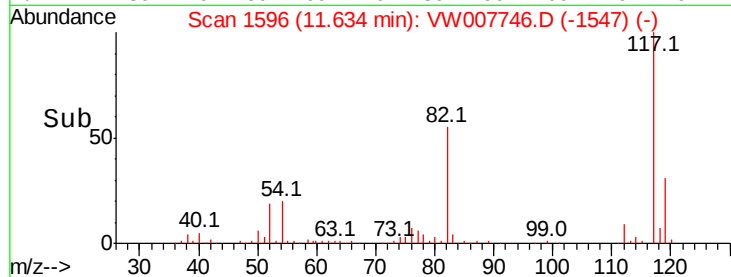
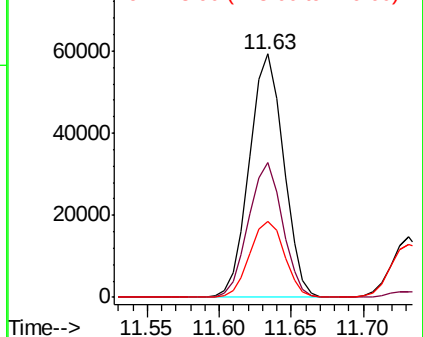
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 97666
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.2 25.7 38.5

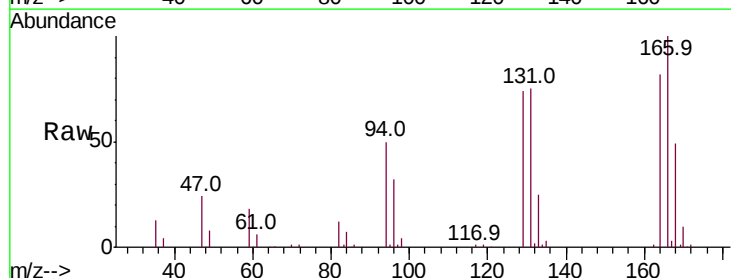


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

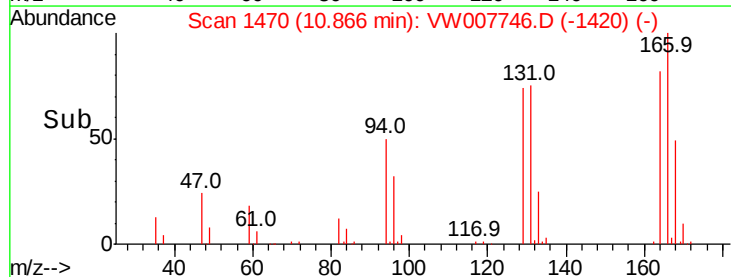
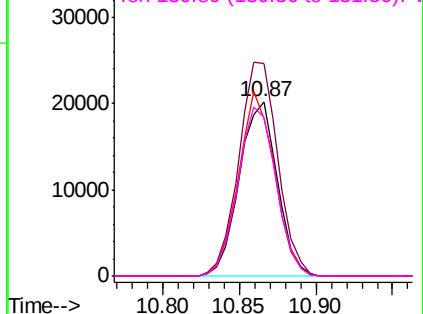


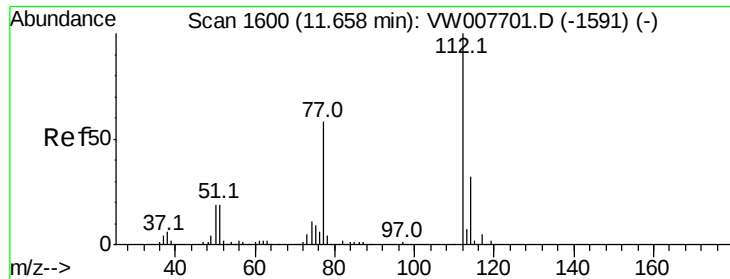
#64
Tetrachloroethene
Concen: 50.228 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion:164 Resp: 34738
Ion Ratio Lower Upper
164 100
166 121.7 101.0 151.6
129 90.3 78.7 118.1
131 90.9 79.4 119.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

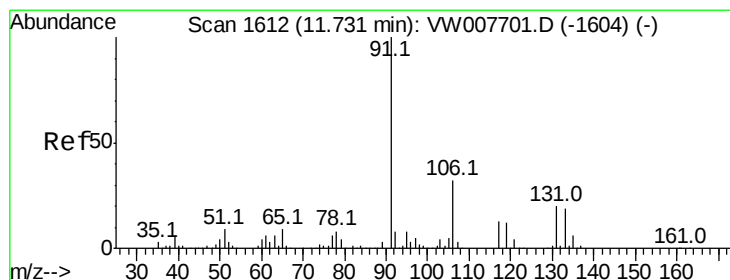
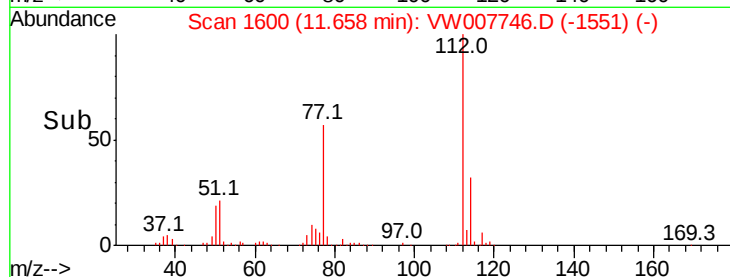
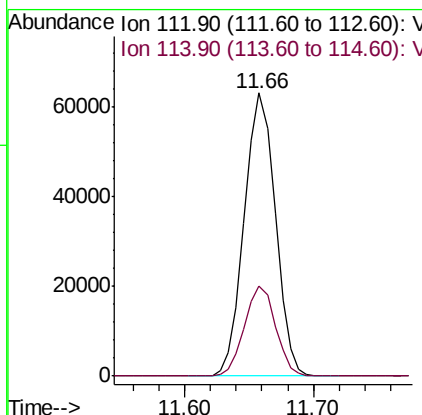
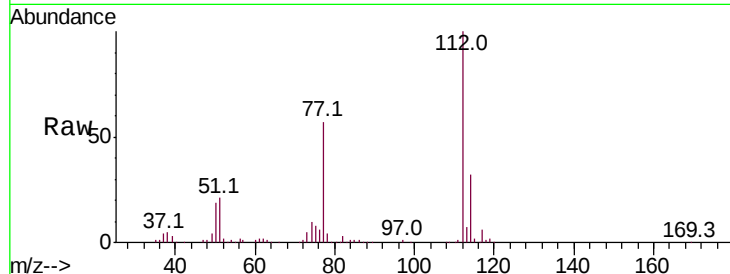




#65
Chlorobenzene
Concen: 49.922 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

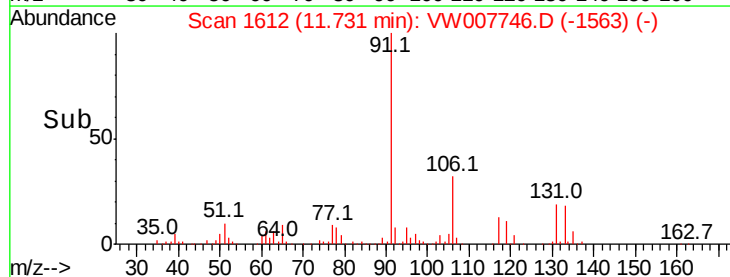
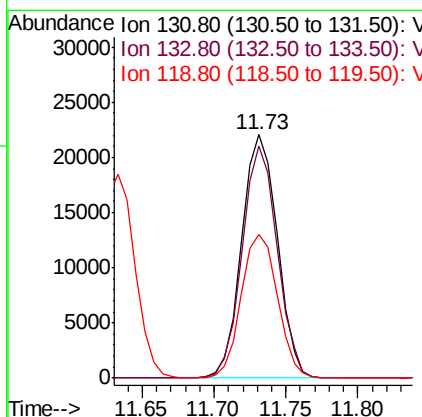
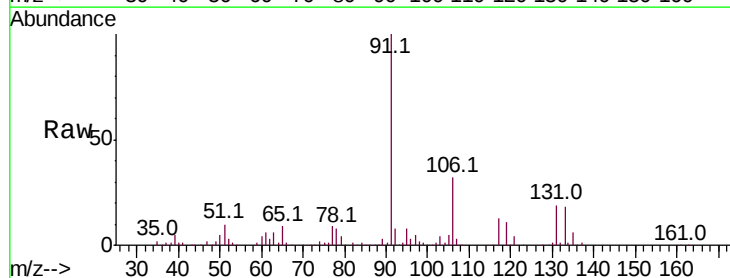
Instrument :
MSVOA_W
ClientSampleId :

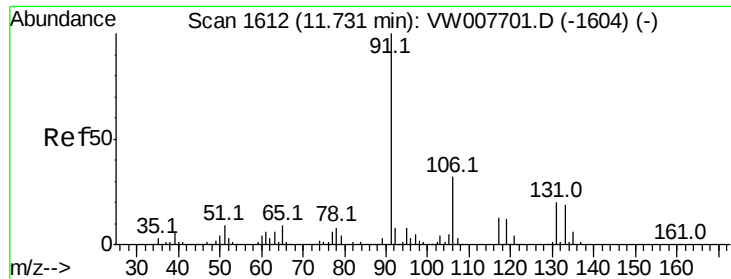
Tot Ion:112 Resp: 105530
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.039 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion:131 Resp: 37796
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.5
119 60.3 30.2 90.6

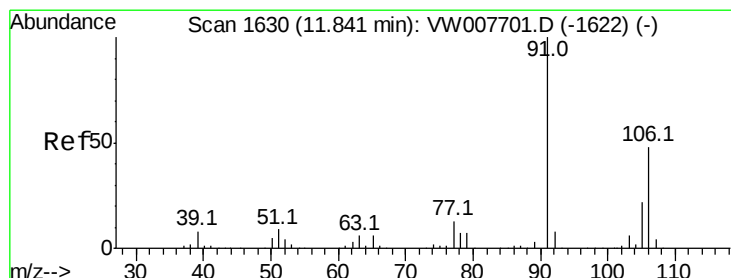
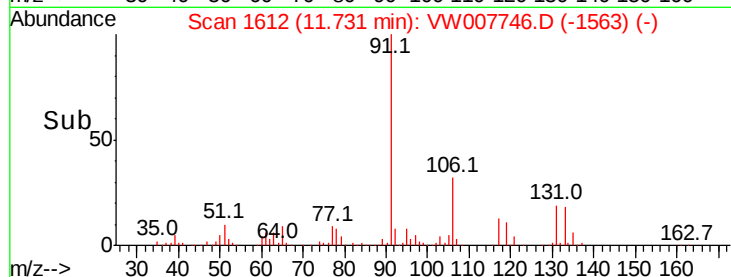
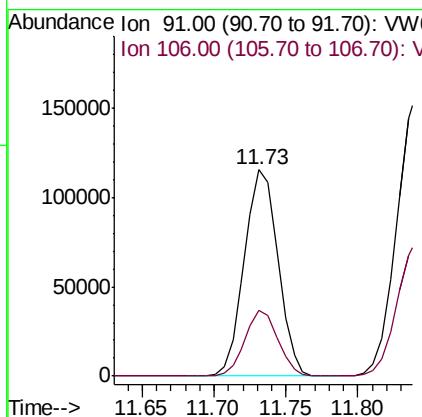
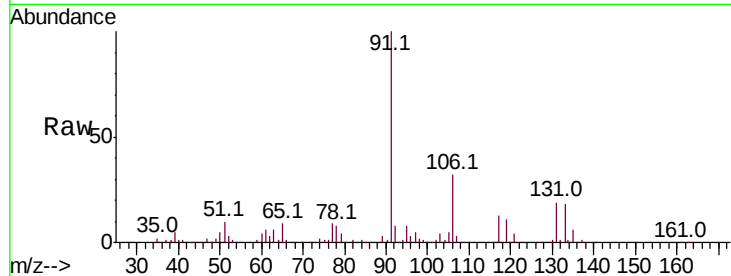




#67
Ethyl Benzene
Concen: 51.587 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

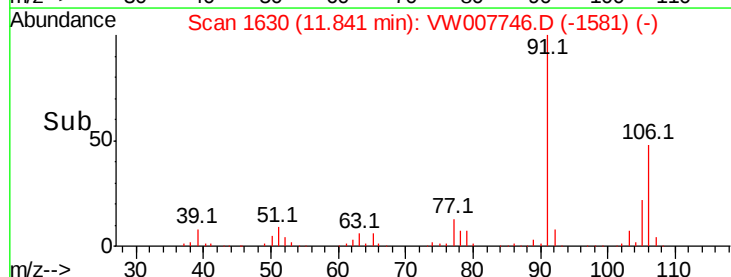
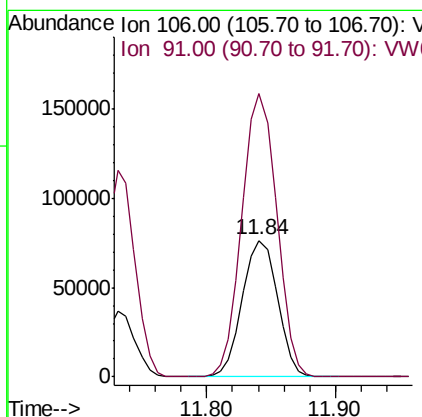
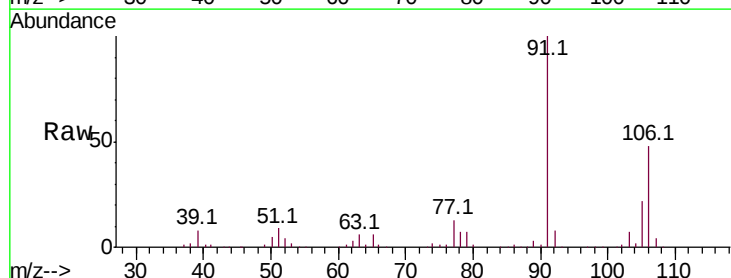
Instrument :
MSVOA_W
ClientSampled :

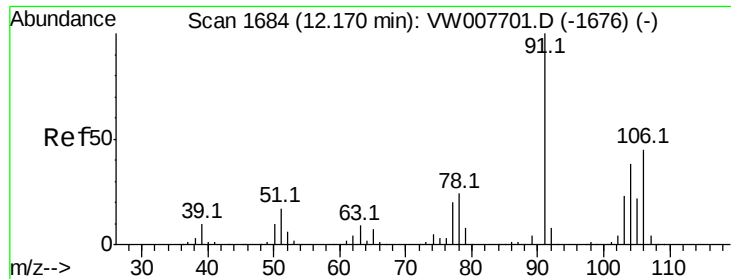
Tot Ion: 91 Resp: 187129
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8



#68
m/p-Xylenes
Concen: 103.083 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 106 Resp: 145052
Ion Ratio Lower Upper
106 100
91 205.7 165.2 247.8

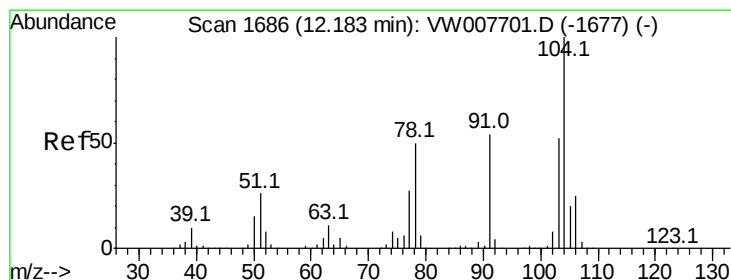
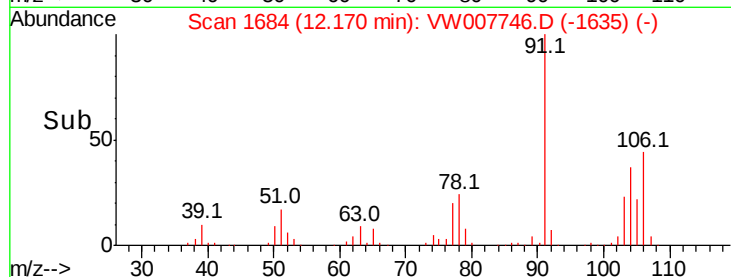
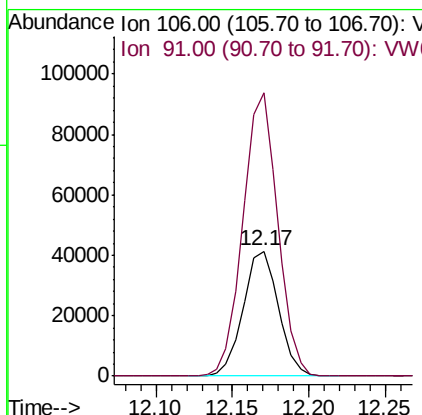
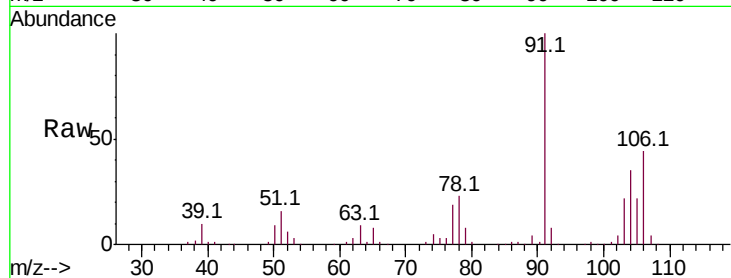




#69
o-Xylene
Concen: 50.133 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

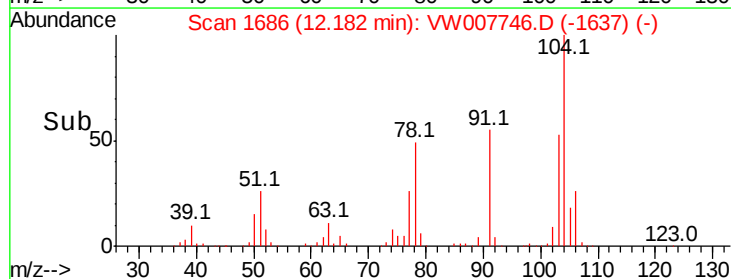
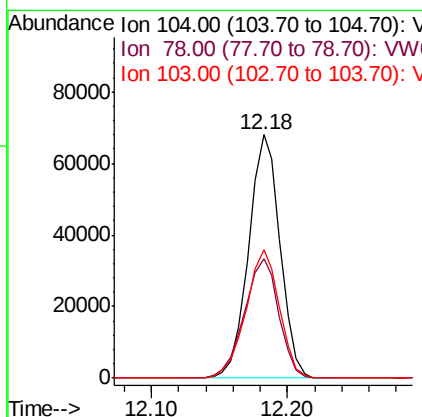
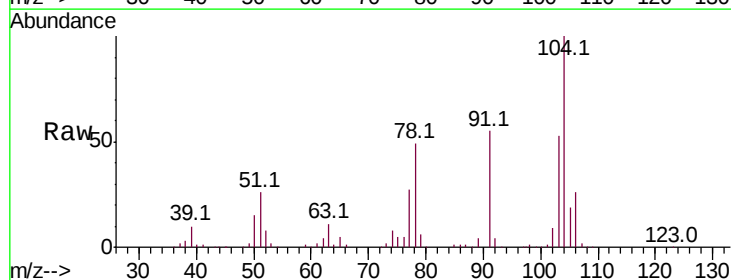
Instrument :
MSVOA_W
ClientSampled :

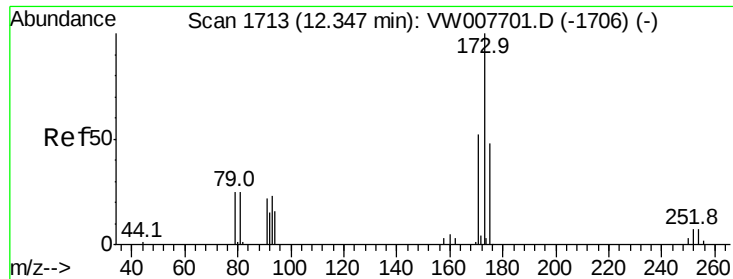
Tot Ion:106 Resp: 66126
Ion Ratio Lower Upper
106 100
91 223.8 110.5 331.4



#70
Styrene
Concen: 50.837 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion:104 Resp: 110224
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.0
103 56.0 44.5 66.7





#71

Bromoform

Concen: 45.880 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

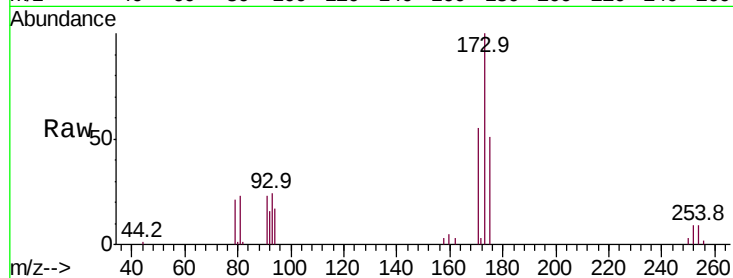
Tot Ion:173 Resp: 17990

Ion Ratio Lower Upper

173 100

175 50.7 23.9 71.7

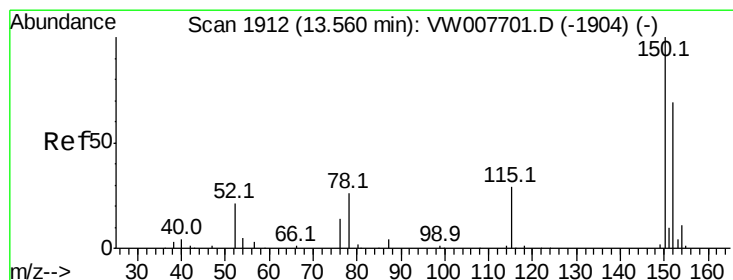
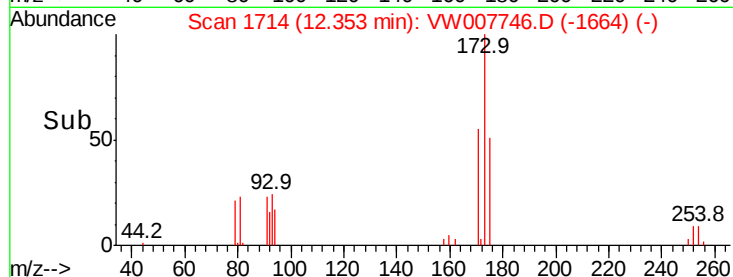
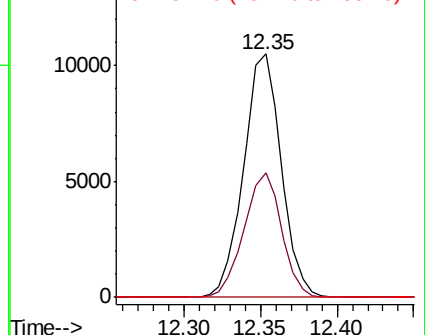
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

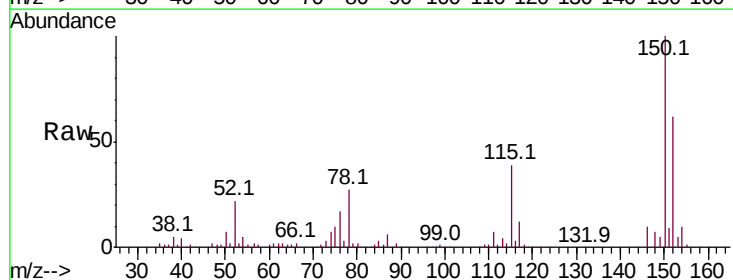
Tgt Ion:152 Resp: 49519

Ion Ratio Lower Upper

152 100

115 62.0 31.8 95.4

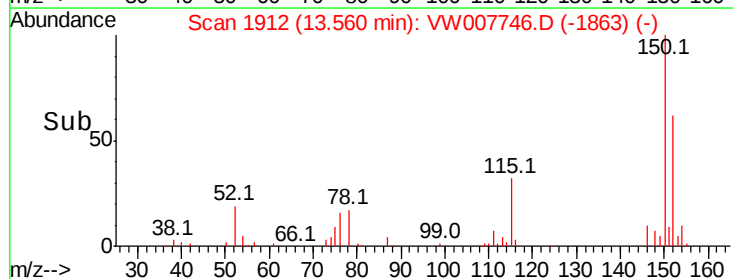
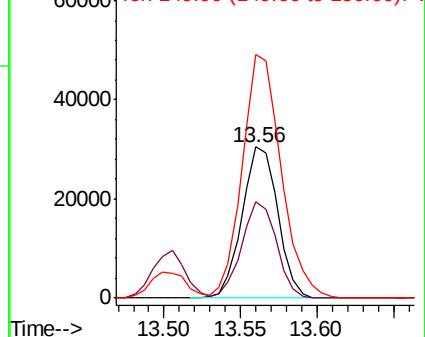
150 175.4 0.0 350.8

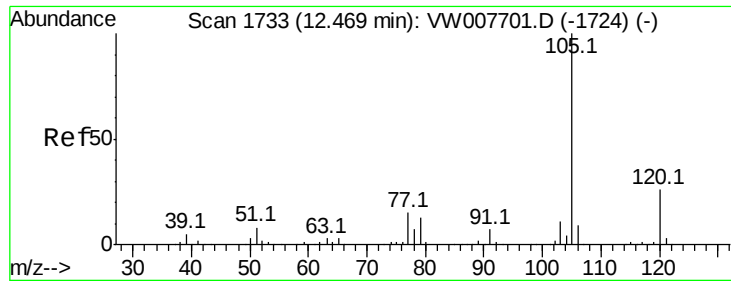


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.992 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

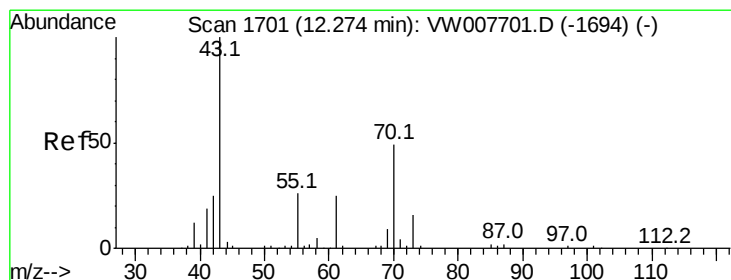
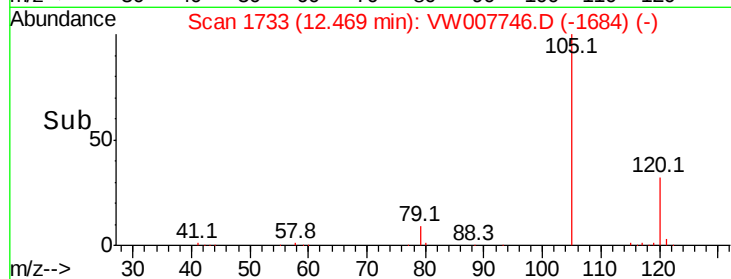
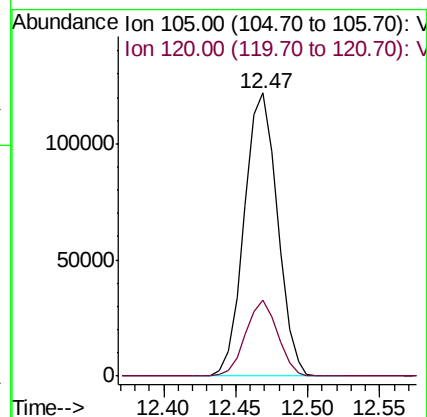
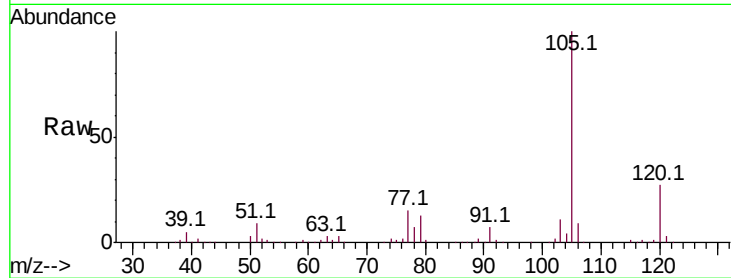
ClientSampled :

Tot Ion:105 Resp: 194612

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 47.258 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Tgt Ion: 43 Resp: 30640

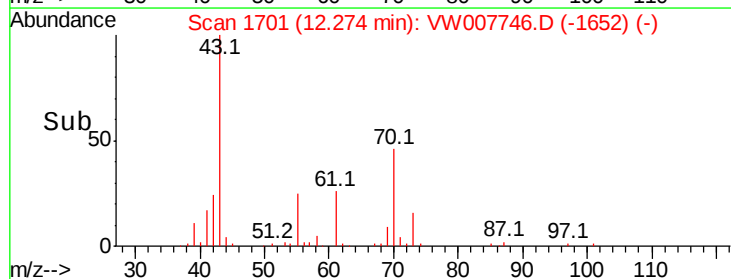
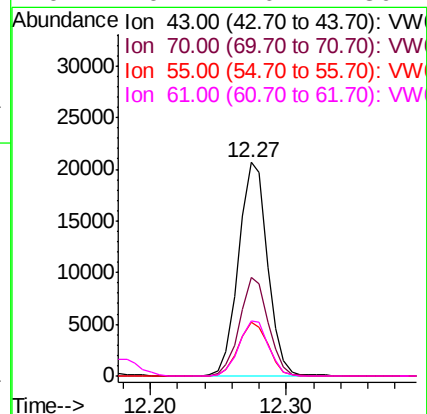
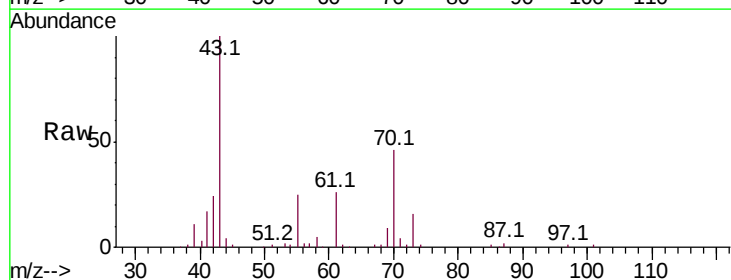
Ion Ratio Lower Upper

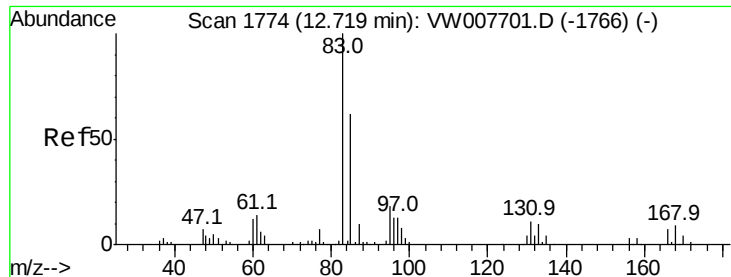
43 100

70 45.4 37.6 56.4

55 25.8 21.7 32.5

61 26.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.146 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

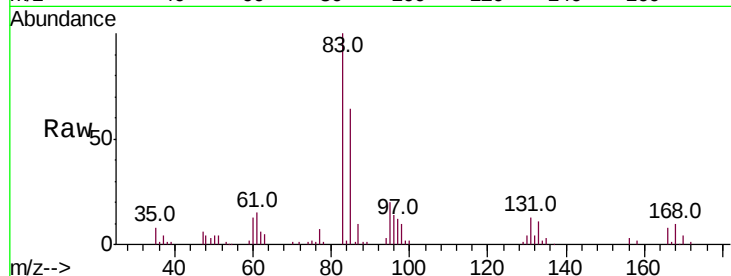
Tot Ion: 83 Resp: 26459

Ion Ratio Lower Upper

83 100

131 12.8 6.3 18.8

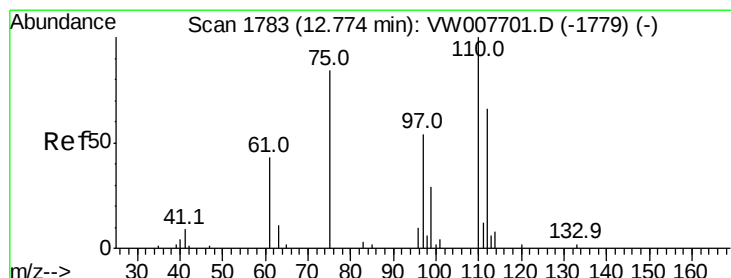
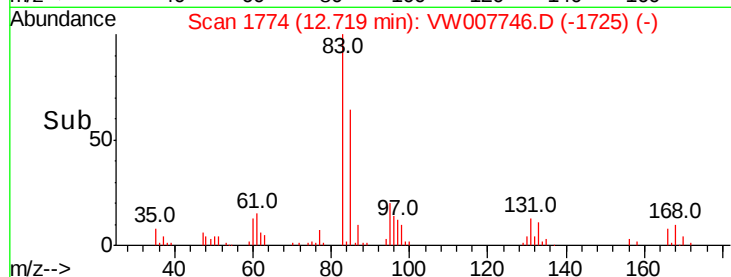
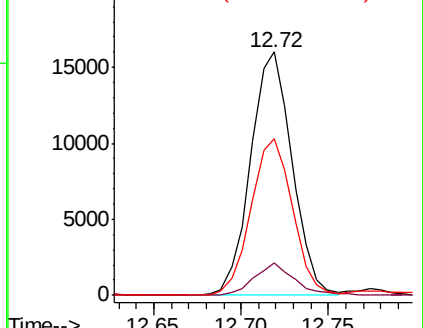
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.452 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007746.D

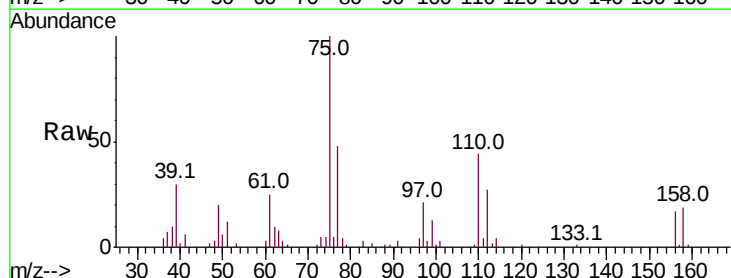
Acq: 20 Dec 2018 14:37

Tgt Ion: 75 Resp: 37681

Ion Ratio Lower Upper

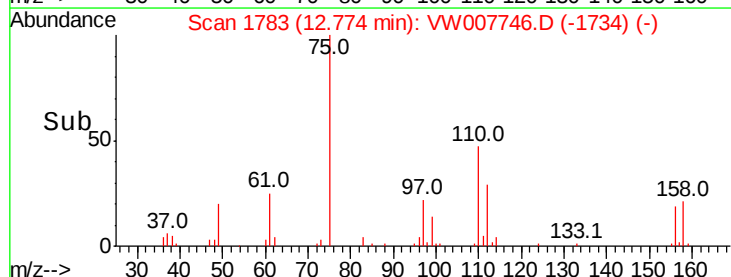
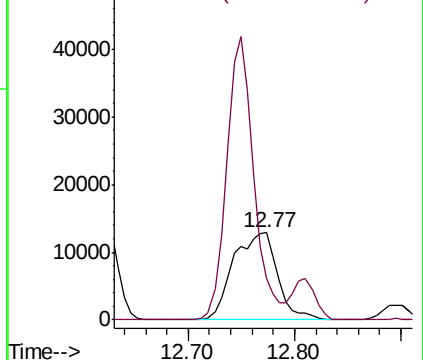
75 100

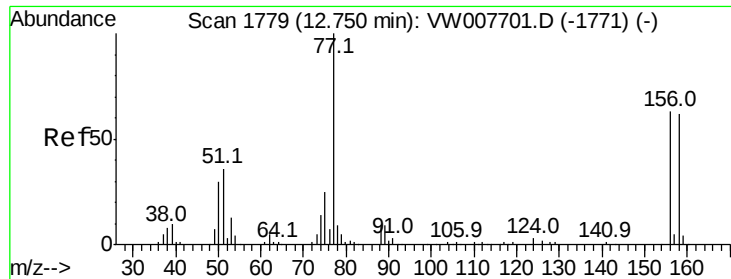
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.098 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampled :

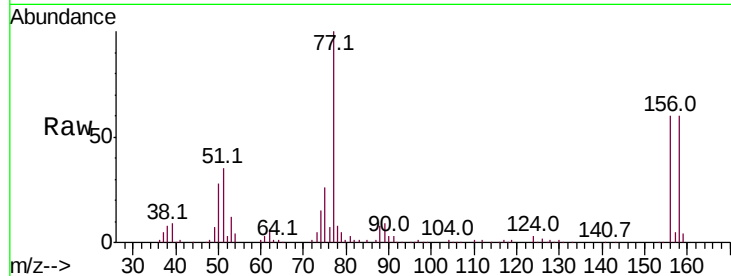
Tot Ion:156 Resp: 42117

Ion Ratio Lower Upper

156 100

77 176.5 87.4 262.1

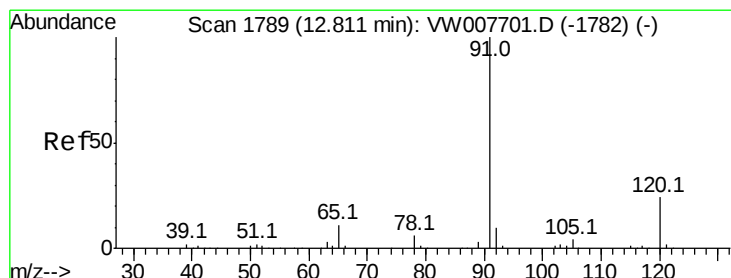
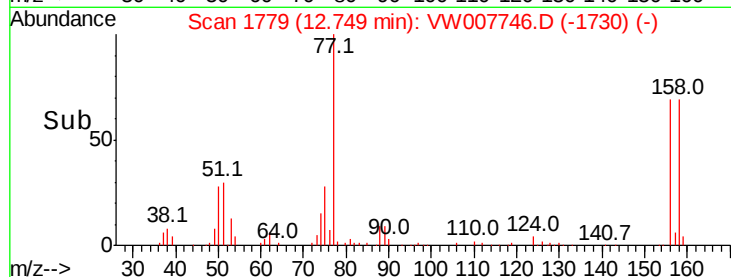
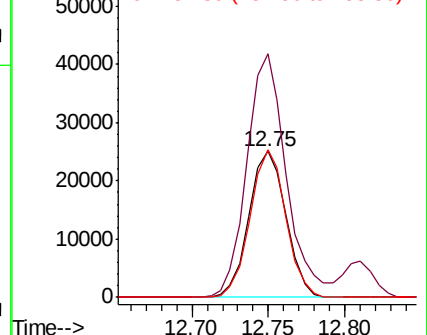
158 97.5 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.692 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007746.D

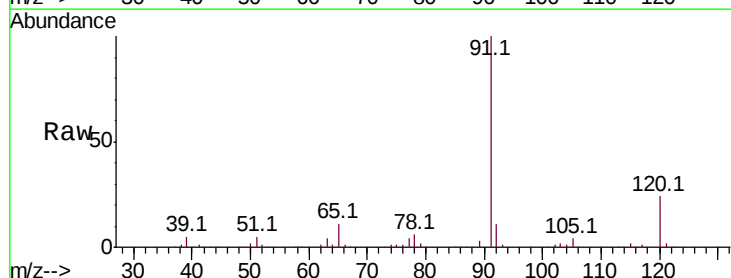
Acq: 20 Dec 2018 14:37

Tgt Ion: 91 Resp: 225233

Ion Ratio Lower Upper

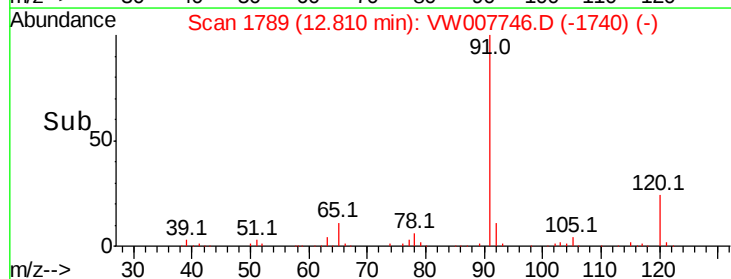
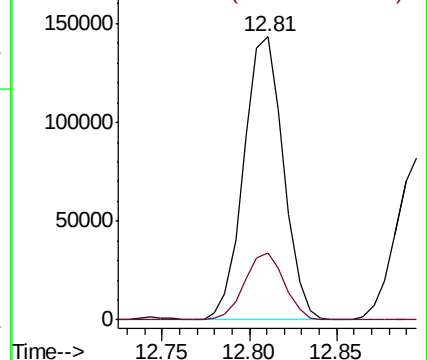
91 100

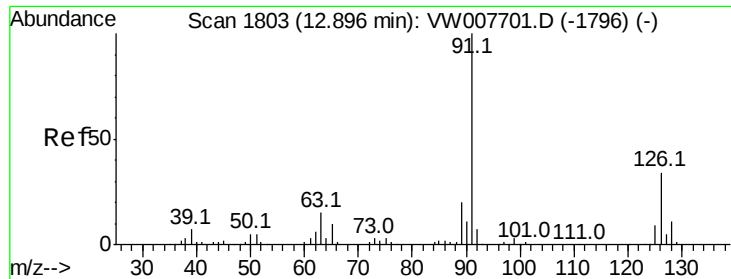
120 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

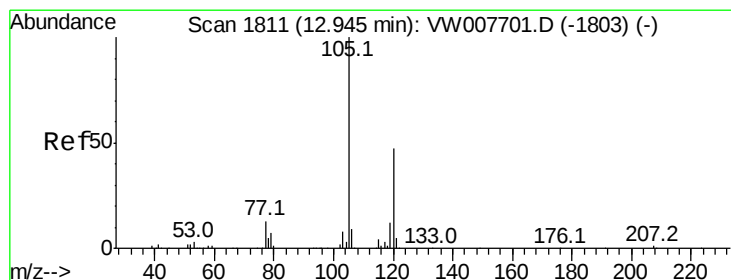
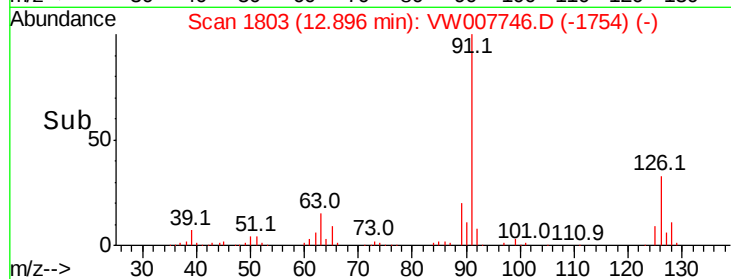
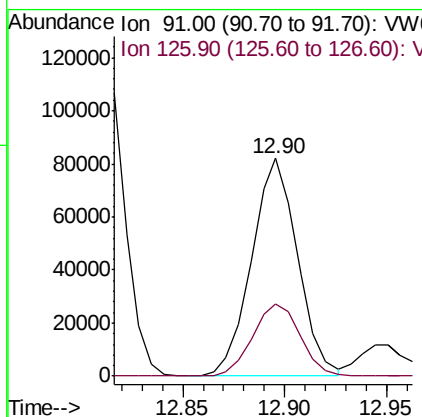
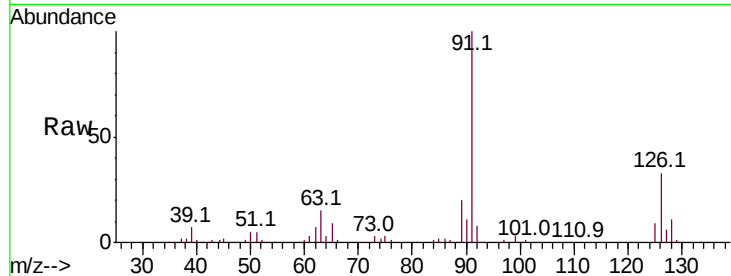




#79
2-Chlorotoluene
Concen: 50.664 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

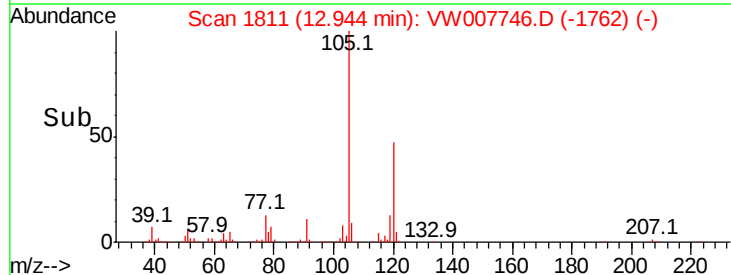
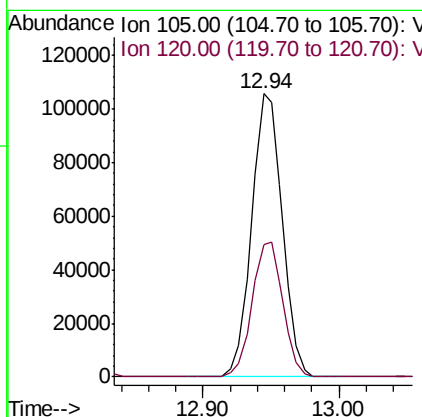
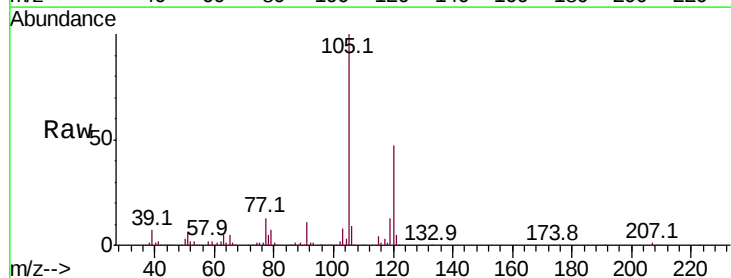
Instrument :
MSVOA_W
ClientSampled :

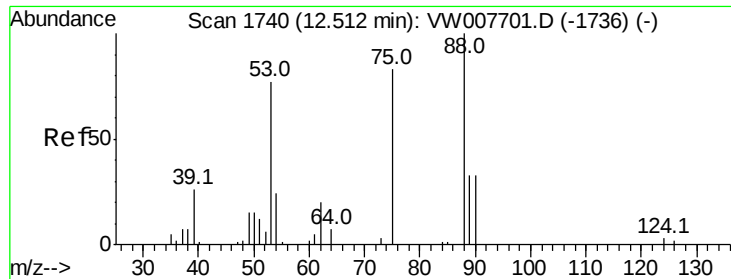
Tot Ion: 91 Resp: 128598
Ion Ratio Lower Upper
91 100
126 34.5 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 51.681 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion:105 Resp: 166862
Ion Ratio Lower Upper
105 100
120 47.8 23.6 70.8

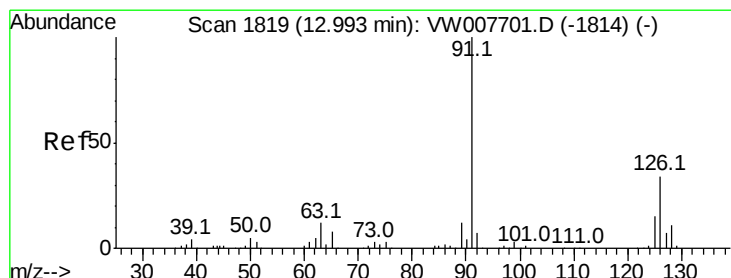
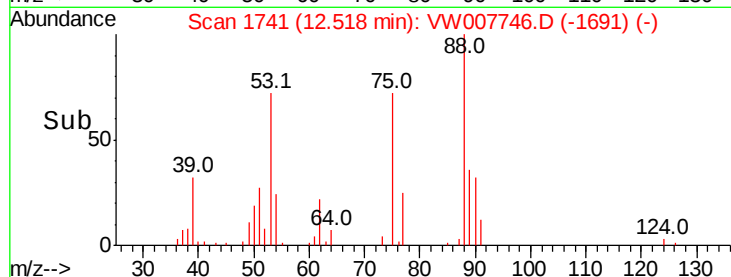
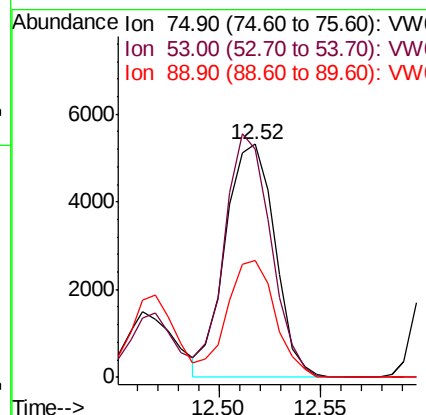
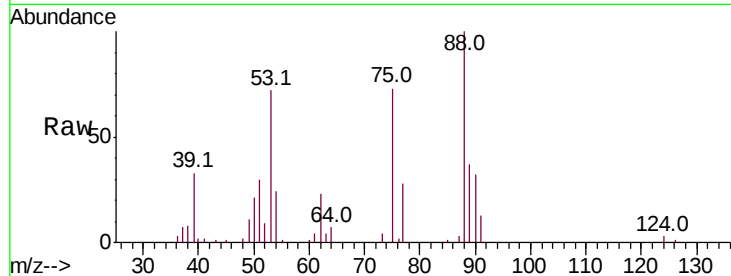




#81
trans-1,4-Dichloro-2-butene
Concen: 49.113 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

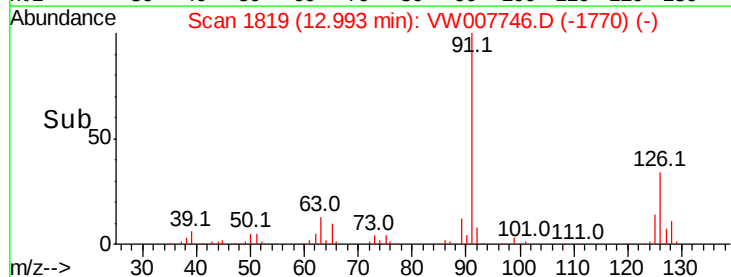
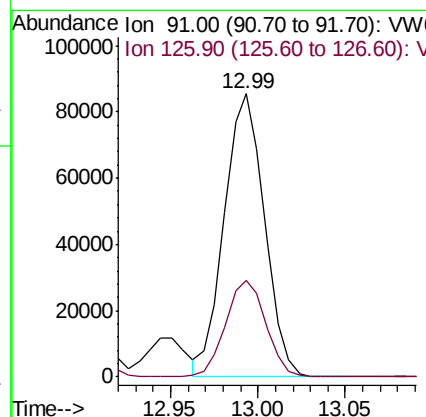
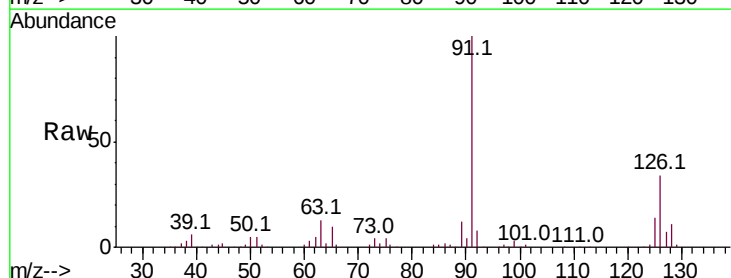
Instrument :
MSVOA_W
ClientSampleId :

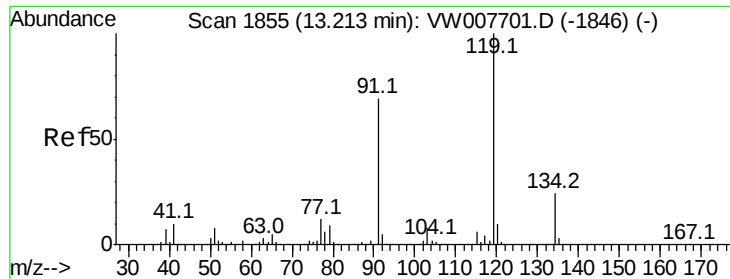
Tot Ion: 75 Resp: 8955
Ion Ratio Lower Upper
75 100
53 97.7 80.2 120.2
89 49.0 39.2 58.8



#82
4-Chlorotoluene
Concen: 50.372 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion: 91 Resp: 136139
Ion Ratio Lower Upper
91 100
126 34.2 16.5 49.5





#83

tert-Butylbenzene

Concen: 52.239 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

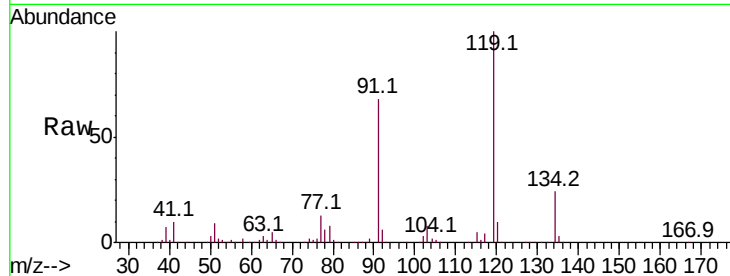
Tot Ion:119 Resp: 147988

Ion Ratio Lower Upper

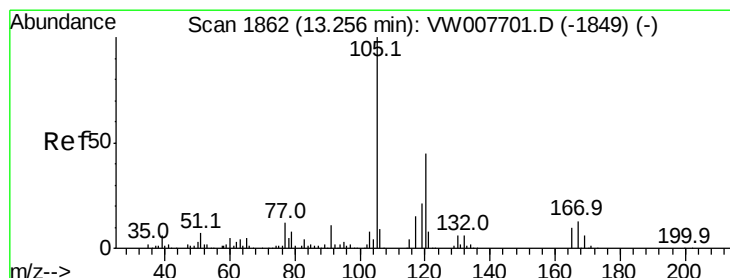
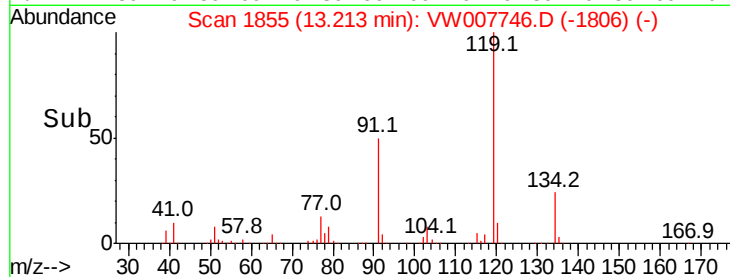
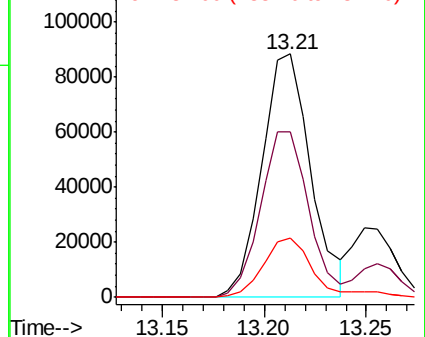
119 100

91 66.9 34.2 102.5

134 25.3 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.578 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007746.D

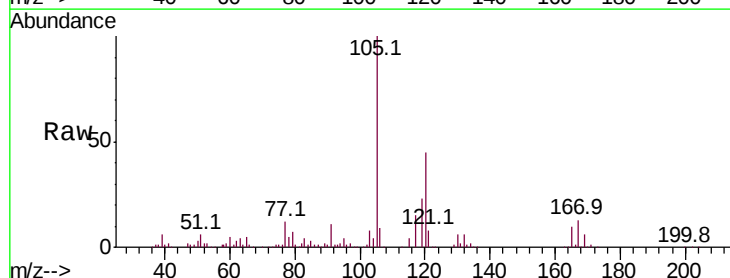
Acq: 20 Dec 2018 14:37

Tgt Ion:105 Resp: 168038

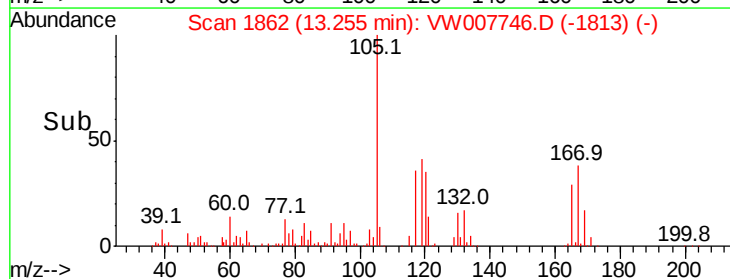
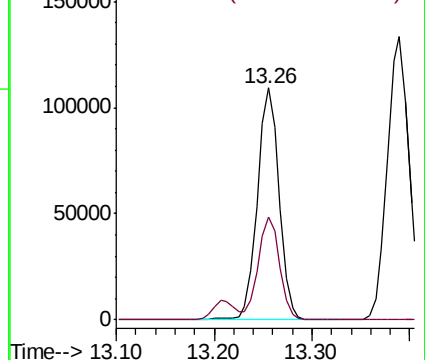
Ion Ratio Lower Upper

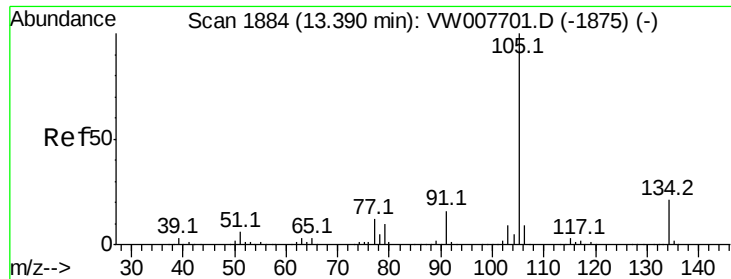
105 100

120 43.3 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

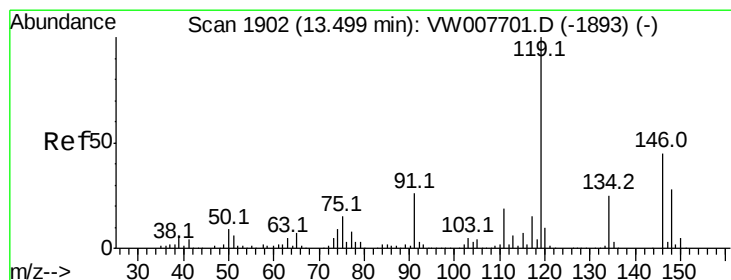
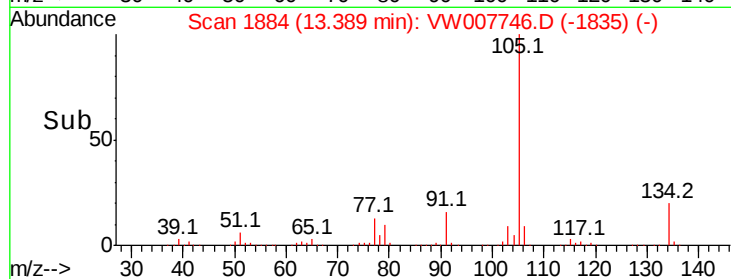
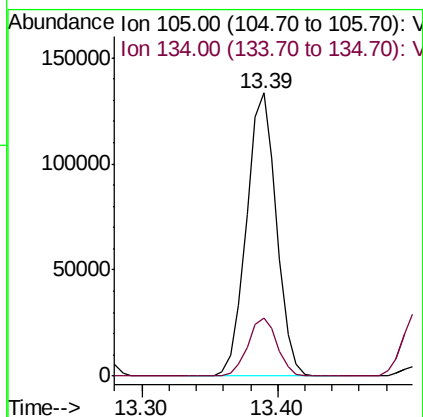
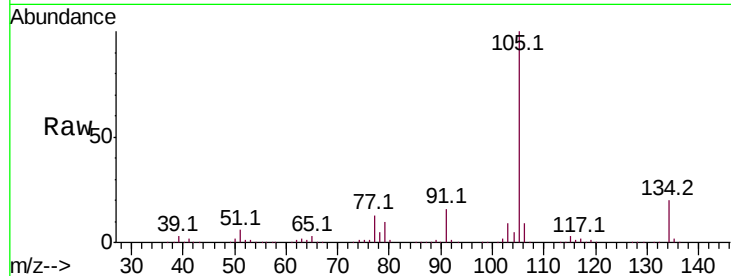




#85
 sec-Butylbenzene
 Concen: 52.498 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

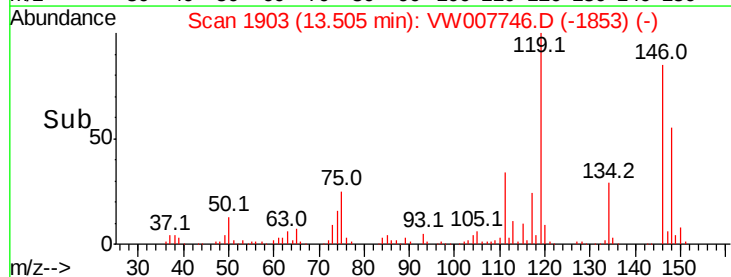
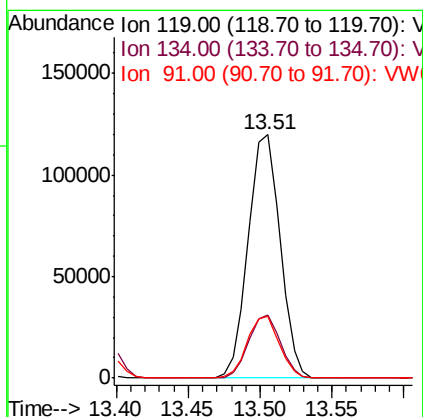
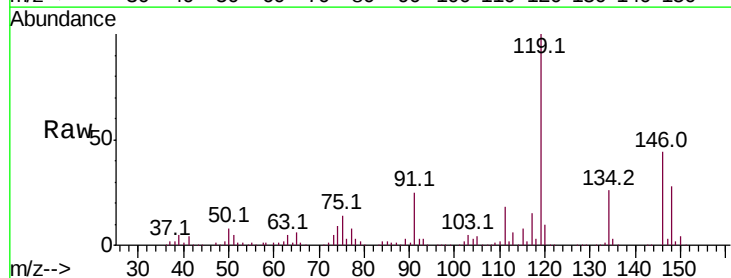
Instrument :
 MSVOA_W
 ClientSampled :

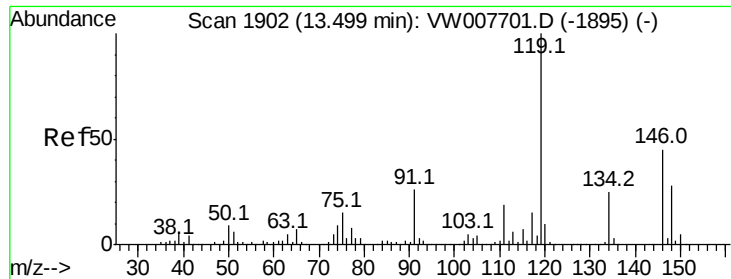
Tot Ion:105 Resp: 204967
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 51.745 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion:119 Resp: 183704
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 25.5 12.8 38.4

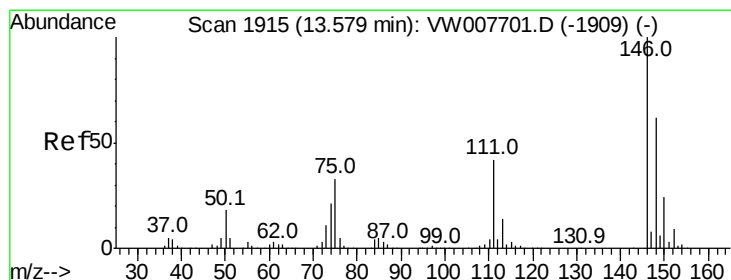
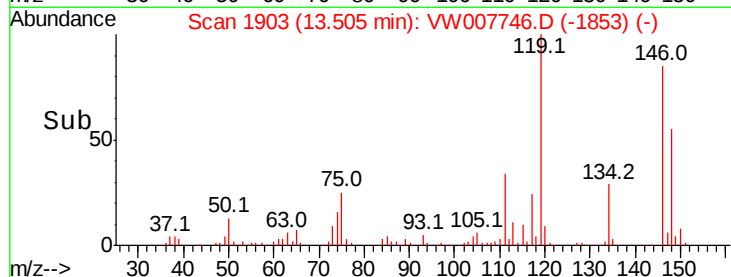
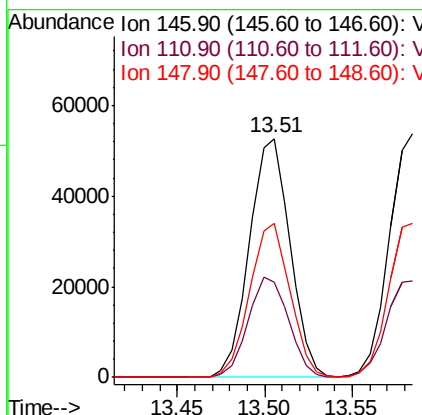
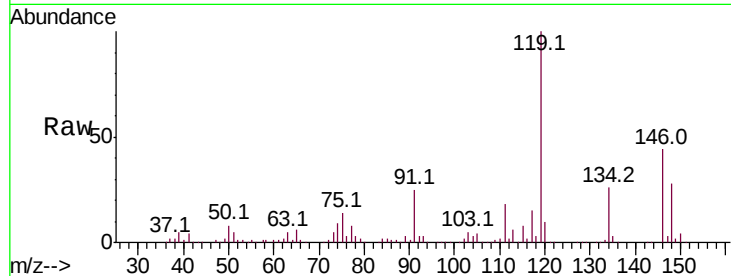




#87
 1,3-Dichlorobenzene
 Concen: 50.101 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

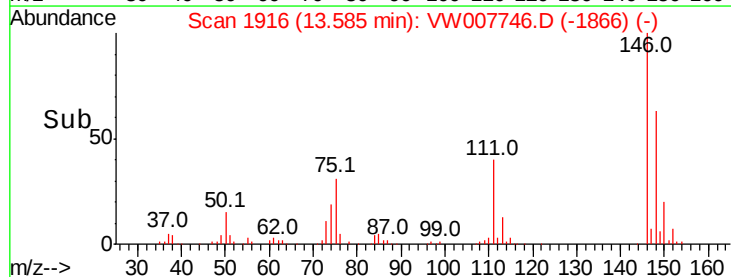
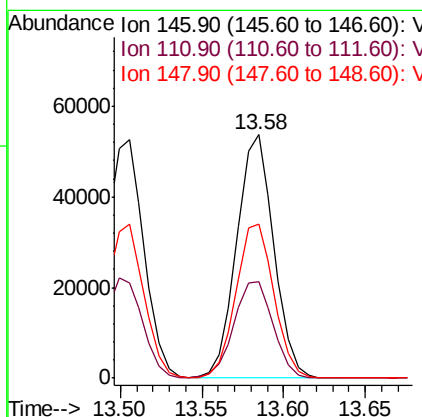
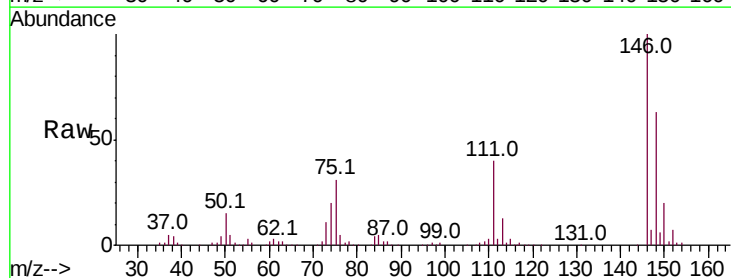
Instrument :
 MSVOA_W
 ClientSampleId :

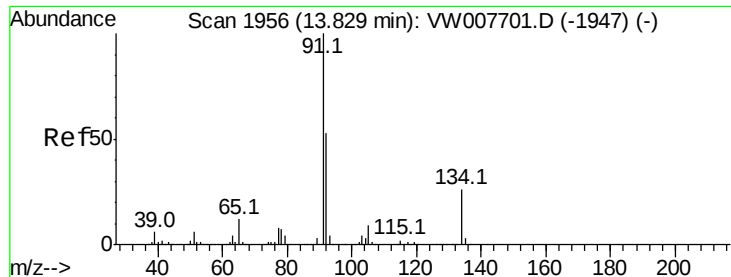
Tot Ion:146 Resp: 85331
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.4
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.996 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion:146 Resp: 85178
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.0 63.0
 148 64.9 31.8 95.4





#89

n-Butylbenzene

Concen: 52.776 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

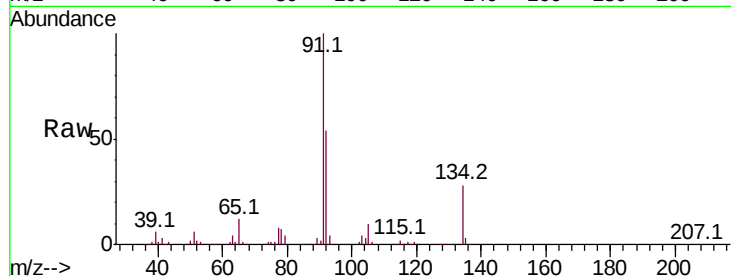
Tot Ion: 91 Resp: 171790

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.2
134	27.1	13.7	41.0

91 100

92 52.5 26.4 79.2

134 27.1 13.7 41.0

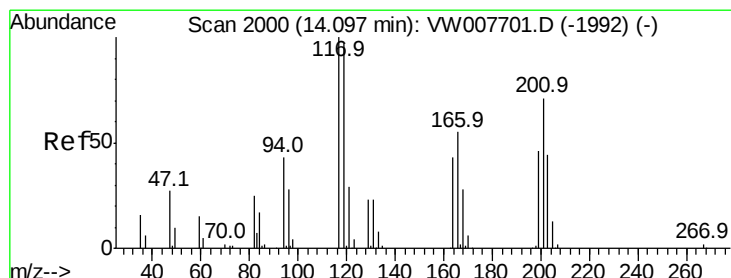
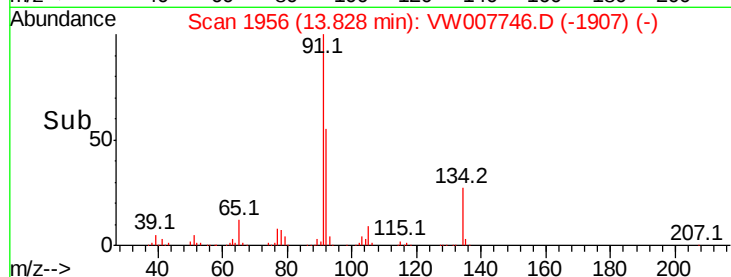
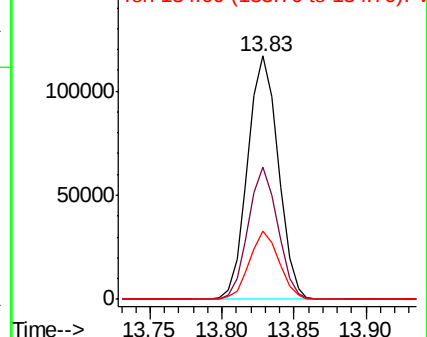


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.936 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007746.D

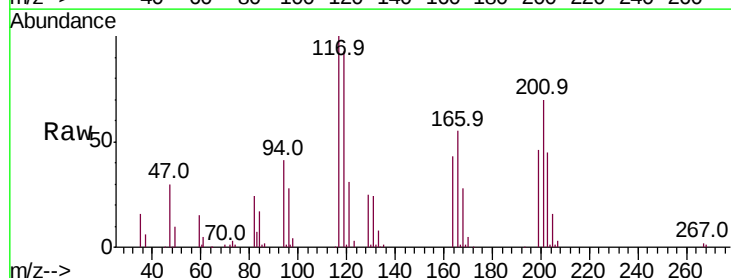
Acq: 20 Dec 2018 14:37

Tgt Ion: 117 Resp: 31747

Ion	Ratio	Lower	Upper
117	100		
201	71.8	36.2	108.6

117 100

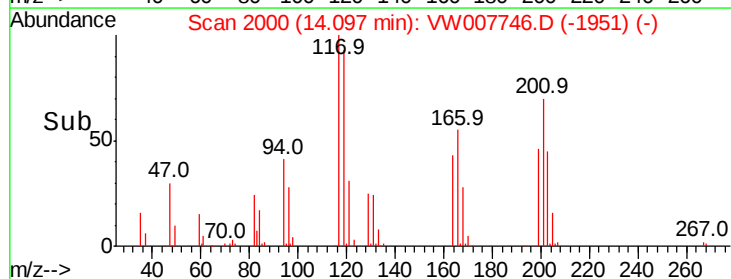
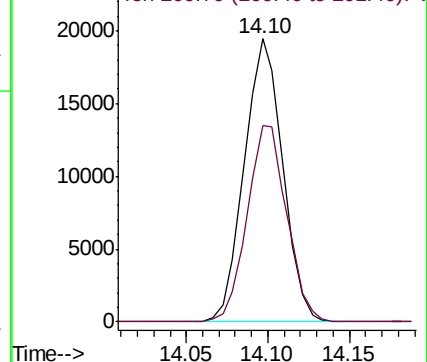
201 71.8 36.2 108.6

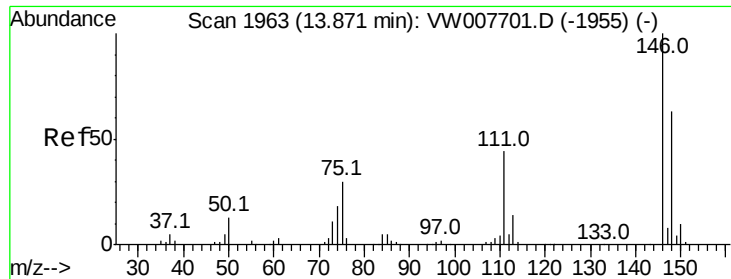


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.760 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

Instrument :

MSVOA_W

ClientSampleId :

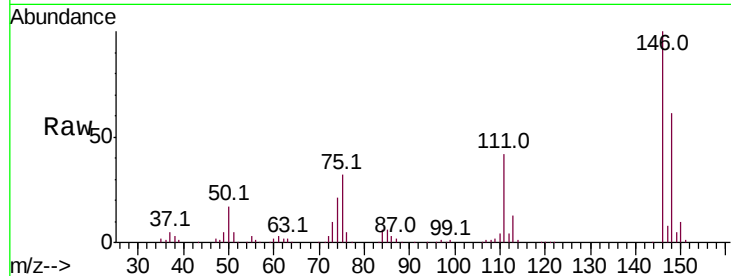
Tot Ion:146 Resp: 75881

Ion Ratio Lower Upper

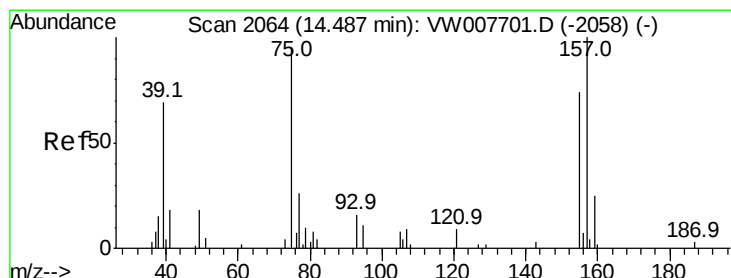
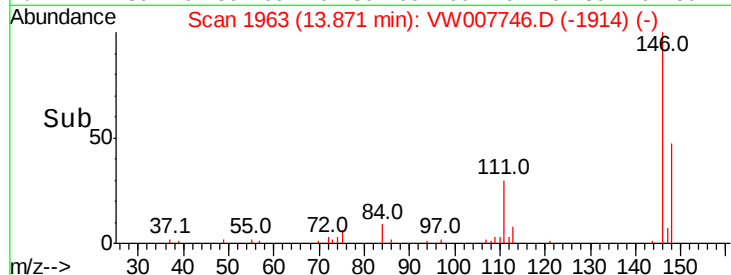
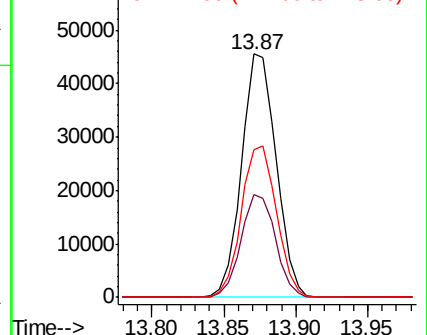
146 100

111 42.1 21.7 65.1

148 63.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.443 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007746.D

Acq: 20 Dec 2018 14:37

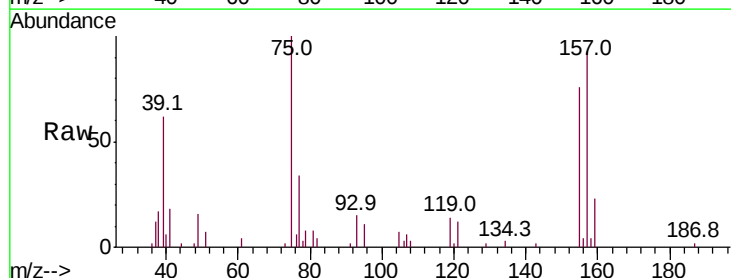
Tgt Ion: 75 Resp: 5468

Ion Ratio Lower Upper

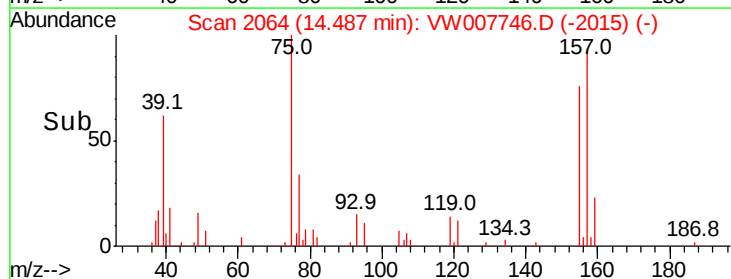
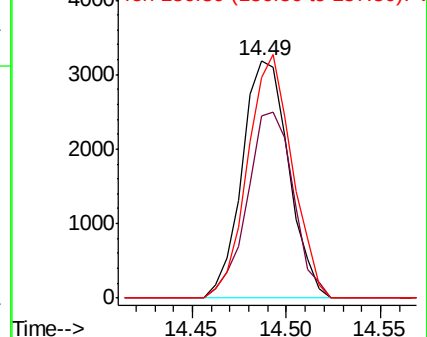
75 100

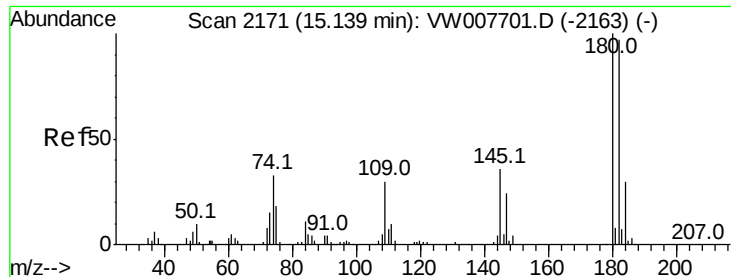
155 77.6 39.4 118.1

157 97.5 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

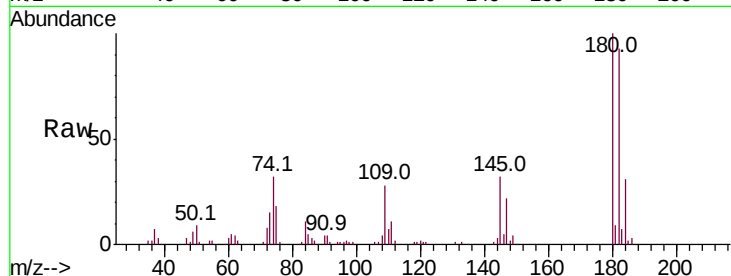




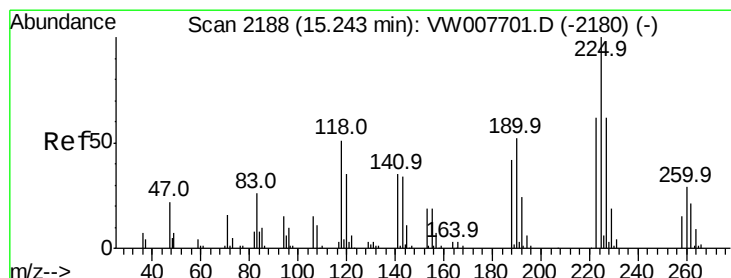
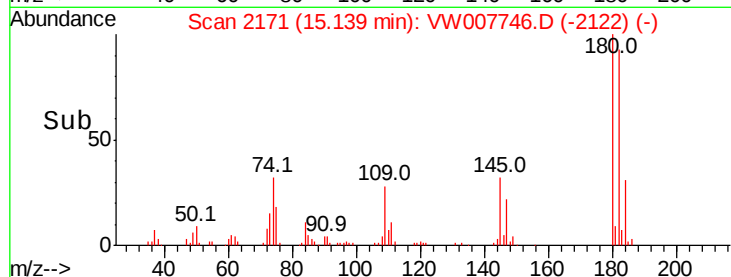
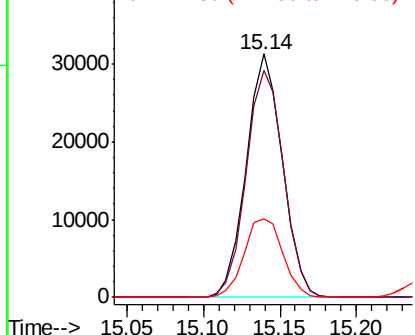
#93
 1,2,4-Trichlorobenzene
 Concen: 48.701 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 51552
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.5 142.6
 145 34.4 17.5 52.5

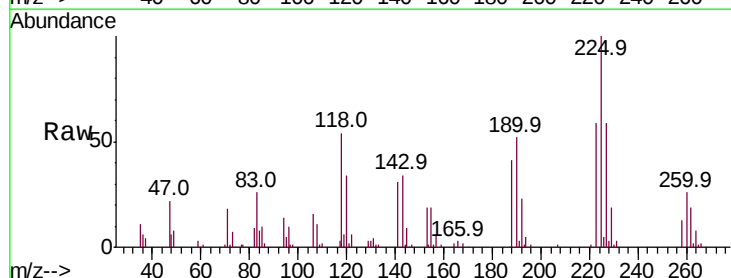


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

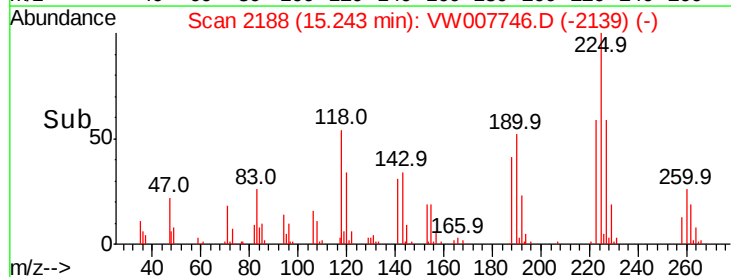
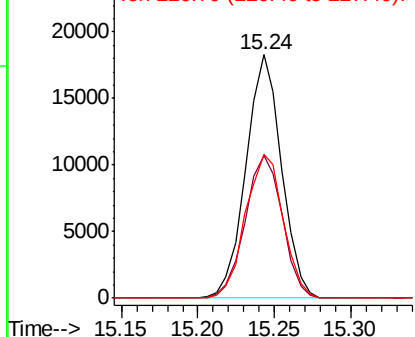


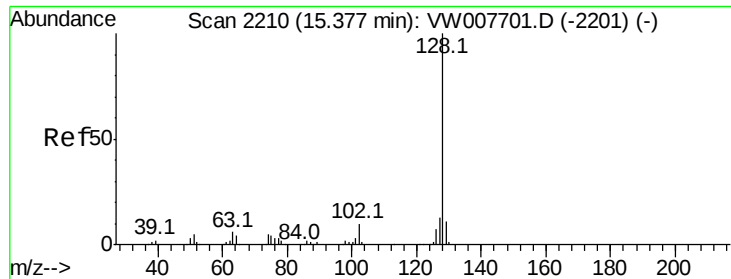
#94
 Hexachlorobutadiene
 Concen: 52.291 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007746.D
 Acq: 20 Dec 2018 14:37

Tgt Ion:225 Resp: 29581
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.6 94.8
 227 62.3 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

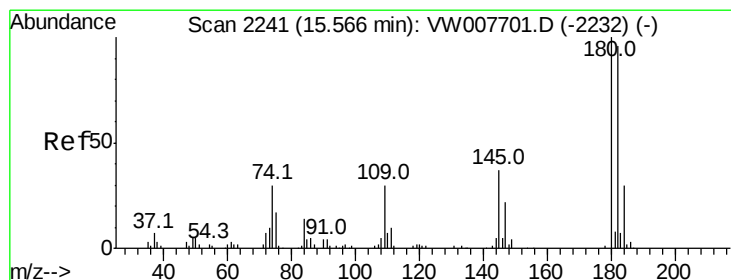
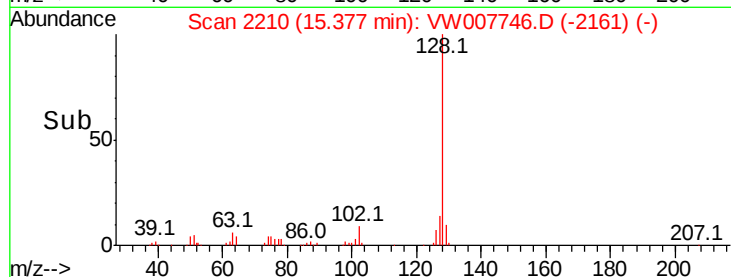
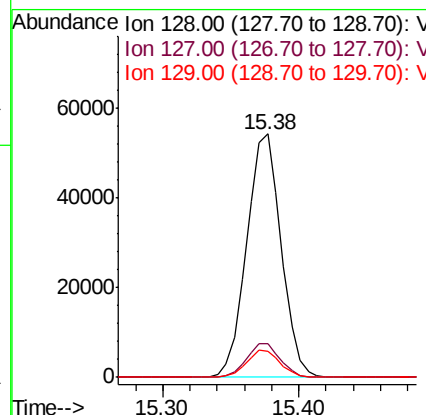
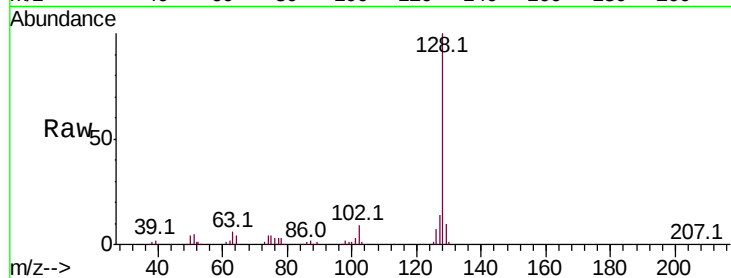




#95
Naphthalene
Concen: 49.153 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 96194
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.480 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007746.D
Acq: 20 Dec 2018 14:37

Tgt Ion:180 Resp: 44834
Ion Ratio Lower Upper
180 100
182 94.6 47.4 142.2
145 35.8 18.4 55.0

